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DEMAND ANALYSES OF FOOD IN MALAYSIA: EFFECTS OF MODEL SPECIFICATION AND DEMOGRAPHIC VARIABLES

by

Tey (John) Yeong-Sheng^{*1}, *Mad Nasir Shamsudin*², *Zainalabidin Mohamed*³, *Amin Mahir Abdullah*¹, *and Alias Radam*¹

ABSTRACT

Demand analyses of food are deemed important to provide up-to-date indications of the demand behavior in future. This study is to determine which the model specification, as well as analyze the effects of demographic and socio-economic factors on of food demand in Malaysia. Household Expenditure Survey 2004/2005 data is analyzed by using Working Leser, Linear Engel model (LEM), Quadratic Engel model (QEM), and Linear Approximate Demand System (LA/AIDS). The empirical shows that LEM and QEM provide better results, in term of adjusted R^2 and rationality of expenditure elasticities. Also, demographic variables improve the performance of all the selected models.

Key words: demand analyses, food, Malaysia, expenditure elasticity

JEL code: Q11, D12

1.0 INTRODUCTION

There has been a massive concern in forecasting future food demand in Malaysia, a typical developing Asian country that experiencing changes in food consumption pattern. The changes in food consumption can be briefly described by the decreasing trend of per capita rice consumption while observing higher per capita consumption of wheat based products and meats. It means that the food demand changes over time. Thus, demand analyses of food are deemed important to provide up-to-date indications of the demand behavior in future.

The main motivation of this study is in regards which food demand model specification is preferable in Malaysia. By using Household Expenditure Survey 2004/2005, the estimated expenditure elasticities for 11 food items via LA/AIDS in Tey *et al.* (2007a) and Working-Leser in Tey *et al.* (2007b) are different. In Tey *et al.* (2007a), the sequence of expenditure elasticities is vegetable (1.341), fruit (1.341), meat (1.110), wheat (0.878), and dairy (0.732) while Tey *et al.* (2007b) estimated expenditure elasticities of meat

¹ Institute of Agricultural and Food Policy Studies, Universiti Putra Malaysia, Malaysia.

^{*} Corresponding author: tyeong.sheng@gmail.com

² Faculty of Environmental Studies, Universiti Putra Malaysia, Malaysia.

³ Department of Agribusiness and Information System, Faculty of Agruculture, Universiti Putra Malaysia, Malaysia.

(1.260), dairy (1.190), fruit (1.160), vegetable (1.160), and wheat (0.77). Also, there has been a concern of the appropriateness in estimating expenditure elasticities of demand for wheat as an aggregate of rice and wheat based products in the both studies.

Previous studies by Tee and Thiam (1975), Hussein *et al.* (1986), Baharumshah and Mohamed (1993), Baharumshah (1993), Mustapha (1994), Ishida *et al.* (2003), and Tey *et al.* (2007a) did not incorporate the demographic factors. The same goes for Mustapha *et al.* (1999, 2000 and 2001) and Tey *et al.* (2007b), which did not fully utilize demographic factors. Underlying consumption economics theory, food consumption is not only affected by changes in income and prices but also demographic factors. Incorporation of demographic factors in a food demand model is to improve estimated parameters that yield better estimates of demand elasticities.

The objectives of this study are two folds. First, this study is to determine which model specification is preferable in analyzing food demand in Malaysia. Second, this study is to determine the effects of non-incorporation and incorporation of demographic and socioeconomic factors on the performance of food demand models. It is expected that the food demand models will produce vastly different coefficient estimates. In order to make further comparison between the food demand models, demand elasticities, namely expenditure elasticities and own-price elasticities are to be estimated in this study.

2.0 DATA

Household Expenditure Survey 2004/2005 data of Malaysia, which was collected by the Department of Statistics, is utilized in this study. The database consists of 14084 households that recorded expenditures on comprehensive range of food products and demographic variables. The comprehensive range of food products in the data are originally grouped into eight major groups, namely cereal, meat, fish, dairy & fats, fruit, vegetable, sugar & beverage, and other foods. In order to obtain more plausible estimates, the eight major groups mentioned were restructured into eleven food groups. The twelve food groups comprise of rice, wheat, meat, fish, milk & dairy, egg, oils & fats, fruit, vegetable, sugar, beverage, and other foods.

The other variables included in the selected models are defined in table 1.

Variable	Definition
i, j	The 12 food items
W _i	The expenditure share of food <i>i</i> among the 12 food items
p_{j}	The price of food <i>j</i>
X	The total expenditure of all food items included in the model
Е	Random disturbances assumed with zero mean and constant variance.
$\delta_{_{ij}}$	The Kronecker delta that is unity if $i = j$ and zero otherwise.
H_k includes du	ammy variable where $k \in 8$

Table 1: Definitions of variables used in the models

AGE	Logarithm of age of household head of the h^{th} household
HHSIZE	Logarithm of household size of the h^{th} household
URBAN	The h^{th} household resides in urban area (0, 1). Base = rural area
EMPLOYED	The h^{th} household head is employed (0, 1). Base = unemployed
PENINSUL	The h^{th} household resides in Peninsular Malaysia (0, 1). Base = Sabah
SARAWAK	The h^{th} household resides in Sarawak (0, 1). Base = Sabah
MALE	The h^{th} household head is male (0, 1). Base = female
MALAY	The h^{th} household head is Malay (0, 1). Base = other race/ethnic
CHINESE	The h^{th} household head is Chinese (0, 1). Base = other race/ethnic
INDIAN	The h^{th} household head is Indian (0, 1). Base = other race/ethnic

3.0 MODEL SPECIFICATIONS

Working-Leser Model

The first empirical model applied in this study is the Working-Leser model. Original form of Working-Leser was discussed by Working (1943) and Leser (1963). This model can be estimated for each food item by the ordinary least squares (OLS). The Working-Leser food demand function can be expressed as:

$$w_i = \alpha_0 + \alpha_i \log x + \sum_j \beta_{ij} \log p_j + \sum_k \gamma_{ik} H_k + \varepsilon_i$$
(1)

The expenditure elasticity ($e_i^{Working-Leser}$) can be expressed as:

$$e_i^{Working-Leser} = 1 + \left(\frac{\alpha_i}{w_i}\right)$$
(2)

Taking a derivative of equation (1) with respect to $\log(p_j)$ yields uncompensated own (j=i) and cross $(j \neq i)$ price elasticities, $(e_{ij}^{Working-Leser})$, as follows:

$$e_{ij}^{Working-Leser} = -\delta_{ij} + \left(\frac{\beta_{ij}}{w_i}\right) \qquad \forall i, j = 1, \dots, n$$
(3)

Linear Engel Model (LEM)

Like Tee and Thiam (1975) and Hussein *et al.* (1986), a set of single equation, LEM is estimated. The LEM can be expressed as:

$$\log(EXP_i) = \alpha_0 + \alpha_i \log x + \sum_j \beta_{ij} \log p_j + \sum_k \gamma_{ik} H_k + \varepsilon_i$$
(4)

The expenditure elasticity (e_i^{LES}) can be obtained from α_i in the parameter of equation (4). Uncompensated own (j=i) and cross $(j \neq i)$ price elasticities (e_{ij}^{LES}) can be estimated are as follows:

$$e_{ij}^{LES} = -\delta_{ij} + \left(\frac{\beta_{ij}}{\log(EXP_i)}\right) \quad \forall i, j = 1, ..., n$$
(5)

Quadratic Engel Model (QEM)

Previous studies by Hausman *et al.* (1991), Hausman *et al.* (1995), Lewbel (1991), Bryne *et al.* (1996), Blundell *et al.* (1998), and Blundell *et al.* (1993) suggested that quadratic terms are needed in the models of food demand system. Followed Blundell *et al.* (1993) and Blundell *et al.* (1998), this model can be estimated via the ordinary least squares (OLS). The QEM can be expressed as:

$$\log(EXP_i) = \alpha_0 + \alpha_i \log x + \gamma_i (\log x)^2 + \sum_j \beta_{ij} \log p_j + \sum_k \gamma_{ik} H_k + \varepsilon_i$$
(6)

According to Blundell *et al.* (1993), the expenditure elasticity (e_i^{QES}) can be estimated as: $e_i^{QES} = \alpha_i + 2\gamma_i \log(EXP_i)$ (7)

Uncompensated own (j=i) and cross $(j \neq i)$ price elasticities, (e_{ij}^{QES}) , are as follows:

$$e_{ij}^{QES} = \frac{\beta_{ij}}{\log(EXP_i)} - \left[\alpha_i + 2*\gamma_i \log(x)\right] \frac{\log(EXP_j)}{\log(EXP_i)} - \delta_{ij} \qquad \forall i, j = 1..., n$$
(8)

Linear Approximate Almost Ideal Demand System (LA/AIDS)

Almost Ideal Demand System (AIDS), a flexible demand system is originally developed by Deaton and Muellbauer (1980a, 1980b). Moschini (1998) pointed out that the AIDS model automatically satisfies the adding-up restriction, and with simple parametric restrictions, homogeneity and symmetry can be imposed. The original model is difficult to be estimated, thus, this study applied the LA/AIDS model.

LA/AIDS has been popular among the previous studies in Malaysia. Baharumshah and Mohamed (1993), Baharumshah (1994), Mustapha (1994), Mustapha *et al.* (1999, 2000 and 2001), and Tey *et al.* (2007a) applied Stone Price index in the LA/AIDS model. Alston *et al.* (1994), Asche and Wessells (1997), and Moschini (1995) commented that prices will never be perfectly collinear. By applying the Stone index will introduce the units of measurement error. Thus, Moschini (1995) suggested to use a Laspeyres price index in order to overcome this measurement error. The Laspeyres price index can be expressed as:

$$\ln(P) = \sum_{i} \overline{w}_{i} \ln(P_{i})$$
(9)

The LA/AIDS can be estimated as follows:

$$w_i = \alpha_i + \sum_j \gamma_{ij} \log(p_j) + \beta \mathbb{1}_i \log(x/P) + \sum_k \gamma_k H_k + \varepsilon_i$$
(10)

Following the formulae and procedures of Green and Alston (1990), the demand elasticities of LA/AIDS can be computed at sample means as follows: Expenditure elasticities

$$e_i^{LA/AIDS} = \frac{\beta 1_i}{w_i} + 1 \tag{11}$$

Marshallian measures of price elasticities

$$e_{ij}^{LA/AIDS} = -\delta_{ij} + \left(\frac{\gamma_{ij}}{\overline{w_i}}\right) - \left(\frac{\beta 1_i}{\overline{w_i}}\right) \overline{w_j} \qquad \forall i, j = 1..., n$$
(12)

4.0 **RESULTS**

Appendix tables 1 and 2 present the parameter estimates of the Working-Leser form with and without demographic effects. In both estimations, most of the parameters are statistically significant. It is reported that income is not a significant factor to milk & dairy and oils & fats equations while it is reasonable to obtain insignificant estimates of urban variable in homogeneous foods-eggs, oils & fats, and sugar equations.

The results of the LEM with and without demographic effects are presented in appendix tables 3 and 4. Overall, most of the estimates are statistically significant. All the estimations show that income, household size, and urban variables are statistically significant in determining expenditures on food items. It is interesting to know that households that reside in urban areas spent lesser on rice, fish, oils & fats, vegetables, sugar, and beverage than those reside in rural areas.

As an extension to LEM model, the results of QEM are similar like LEM due to nesting. Appendix tables 5 and 6 show the results of the QEM with and without demographic factors. The purpose of estimating QEM is also to determine whether or not the demand system is quadratic in log income, more attention is paid to the coefficients γ_i . Specifically, it is to test the hypothesis of $\gamma_i = 0$ against $\gamma_i \neq 0$. In the QEM with demographic factors, the results show that expenditure functions of eight out of twelve food items are non-linear with statistically significant γ_i estimates. Only the γ_i coefficients for rice, milk & dairy, eggs, oils & fats are not statistically significant. On another hand, in the QEM without demographic factors, only the γ_i coefficients for milk & dairy and oils & fats are not statistically significant while the other equations are non-linear.

LA/AIDS allows household utility maximization framework with regularity conditions of adding-up, homogeneity, and symmetry. Appendix tables 7 and 8 present the results of the LA/AIDS with and without demographic factors. It is surprising to find that income is

not significant factor in both meat equations, with and without demographic variables respectively. The urban variable shows similar results like LEM and QEM models.

Table 2 represents the adjusted R^2 in the selected models. The larger the adjusted R^2 indicates that the performance of a model is better. Clearly, the performance of all the selected models with incorporation of demographic variables is much better than those without incorporation of demographic variables, especially of rice equation in all the selected models, showing improvements range from 11.83% in LEM to 9.83% in LA/AIDS. By comparing general performance among the selected models, LEM and QEM produce similar adjusted R^2 s that are higher than Working-Leser and LA/AIDS.

	Working-				Working-						
	Leser	LEM	QEM	LA/AIDS	Leser	LEM	QEM	LA/AIDS			
	With	Demogra	phic Var	iables	Without Demographic Variables						
Rice	0.3161	0.3754	0.3753	0.2957	0.2106	0.2565	0.257	0.1974			
Bread &											
other											
cereals	0.344	0.3802	0.3806	0.2395	0.278	0.342	0.344	0.1493			
Meat	0.1709	0.4852	0.4853	0.1197	0.085	0.4517	0.4519	0.0243			
Fish	0.2433	0.5192	0.5198	0.1786	0.1638	0.478	0.4791	0.0809			
Milk &											
dairy	0.1959	0.4774	0.4774	0.1757	0.1657	0.4567	0.4566	0.1603			
Eggs	0.0711	0.2934	0.2934	0.0305	0.0375	0.2187	0.22	0.0007			
Oils & fats	0.1628	0.3694	0.3693	0.1143	0.1572	0.3388	0.3388	0.1143			
Fruits	0.1261	0.3884	0.3891	0.0789	0.1005	0.3615	0.3626	0.0449			
Vegetables	0.1757	0.5512	0.5515	0.179	0.1011	0.5101	0.5102	0.1097			
Sugar	0.0548	0.2497	0.2501	0.0442	0.0357	0.2126	0.2134	0.0196			
Others	0.0868	0.3348	0.335	0.0396	0.0536	0.3082	0.3084	0.0298			
Beverage	0.209	0.3473	0.3475	NA	0.1744	0.3127	0.3139	NA			

Table 2: Comparison of Adjusted R^2 in the selected models

In order to probe further, Chern (2000) suggested that it is more appropriate to compare the estimated expenditure elasticities from food demand models. The centre of the comparisons is rice-meat and rice-bread & other cereals in all the selected models, with and without incorporating the demographic variables. This is to determine whether the estimated expenditure elasticities for these food items follow the expectation that builds on the ground of observations about decreasing trend of per capita rice consumption but higher per capita consumption of wheat based products and meats. Table 3 compares the estimated expenditure elasticities from the selected models. In the case of rice and meat, LA/AIDS models produce higher estimated expenditure elasticity for rice than meat. The estimated expenditure elasticities of rice are also the highest among all the food items. The other selected models yield higher expenditure elasticities for meats than rice. In regards to the comparison between rice and bread & other cereals, the estimated expenditure elasticities for rice are higher than bread & other cereals in the Working-Leser and LA/AIDS respectively. Surprisingly, simple equation models like the LEM and QEM models reverse the order. Noteworthy to mention that estimated expenditure elasticity for the main staple food, rice is the lowest in the LEM models.

	Working-				Working-						
	Leser	LEM	QEM	LA/AIDS	Leser	LEM	QEM	LA/AIDS			
	With	Demogra	phic Var	riables	Without Demographic Variables						
Rice	0.7238	0.4991	0.4876	1.2821	0.7639	0.6278	0.4574	1.3113			
Bread &											
other	0.5713	0.7159	0.6273	0.7576	0.6473	0.7539	0.5561	0.8054			
cereals											
Meat	1.2709	1.1180	1.2129	1.0140	1.2659	1.1241	1.2424	1.0036			
Fish	1.1048	1.0509	1.1869	0.9681	1.0645	1.0109	1.2034	0.9330			
Milk &	1.1557	0.7250	0.8337	0.6814	1.0148	0.7628	0.7870	0.6077			
dairy	1.1337	0.7230	0.0557	0.0014	1.0140	0.7020	0.7070	0.0077			
Eggs	0.7998	0.5457	0.4381	1.1170	0.8208	0.6839	0.2323	1.1404			
Oils & fats	0.9445	0.7125	0.7486	1.1241	0.9829	0.8714	0.7641	1.1123			
Fruits	1.0541	0.9787	0.6426	1.0434	1.1173	1.0816	0.6637	1.0576			
Vegetables	1.0516	0.9650	1.1026	1.1805	1.0962	1.0353	1.1359	1.1880			
Sugar	0.8340	0.6703	0.4513	0.9631	0.7958	0.6792	0.3706	0.9537			
Others	1.6538	1.1614	0.9008	0.8731	1.4455	1.0497	0.7997	0.8465			
Beverage	0.8383	0.8652	0.6797	1.1225	0.9010	0.9228	0.5461	1.1899			

Table 3: Comparison of expenditure elastiticitIes of food items, Malaysia, 2004/2005

It is hard to make comparisons by referring to estimated own-price elasticities. Table 4 presents the estimated own-price elasticities from the selected models, with and without incorporating demographic variables. All the estimated own-price elasticities comply with the law of demand by getting negative magnitude in all the estimates. All the selected models show that the estimated own-price elasticities for rice are elastic, except LEM model that did not incorporate demographic variables. Both of the LEM models produce inelastic estimated own-price elasticities for meat while other selected models produce more than unity estimated own-price elasticities for meat.

	Working				Working-						
	-Leser	LEM	QEM	LA/AIDS	Leser	LEM	QEM	LA/AIDS			
	With	Demogra	phic Var	iables	Without Demographic Variables						
Rice	-2.5047	-1.0429	-1.5306	-2.0108	-2.3729	-0.9889	-1.4476	-1.9180			
Bread &											
other	-0.9182	-0.9536	-1.4898	-0.9410	-0.9194	-0.9579	-1.3764	-0.9345			
cereals											
Meat	-1.2370	-0.8827	-2.1736	-1.0749	-1.3150	-0.8612	-2.1656	-1.0610			
Fish	-1.0464	-1.0465	-2.2245	-0.8545	-1.1641	-1.0848	-2.2767	-0.7973			
Milk & dairy	-0.1642	-0.2558	-1.7432	-0.5568	-0.1340	-0.2681	-1.6946	-0.5400			
Eggs	-1.6610	-1.2720	-1.3440	-1.4534	-1.5758	-1.1537	-0.8157	-1.4070			
Oils & fats	-1.4927	-1.0620	-1.7354	-1.2182	-1.4821	-1.0633	-1.6574	-1.2260			

Table 4: Comparison of own-price elastiticitIes of food items, Malaysia, 2004/2005

Fruits	-1.5417	-1.3042	-1.3288	-1.0691	-1.5053	-1.2755	-1.3172	-1.0634
Vegetable s	-1.2368	-1.0754	-2.1568	-1.1286	-1.2782	-1.0886	-2.1633	-1.1490
Sugar	-1.0633	-0.8542	-1.4764	-1.0507	-1.0706	-0.8701	-1.3182	-1.0656
Others	-0.5954	-0.6667	-1.6912	-0.9681	-0.6376	-0.6853	-1.6698	-0.9750
Beverage	-1.3298	-1.0790	-1.4831	-1.3369	-1.3408	-1.0952	-1.2327	-1.3244

5.0 CONCLUSIONS

By utilizing Household Expenditure Survey 2004/2005 data, this study intends to determine which model specification is preferred in analyzing food demand in Malaysia, where at the same time, to find out the effects of non-incorporation and incorporation of demographic factors on the performance of food demand models. The selected food demand models are the Working-Leser, LEM, QEM, and LA/AIDS.

Generally, the effects of each demographic factor are different in the selected models. The catchiest demographic variables are household size and dummy variable of urban. The effect of the household size variable varies across the selected models. However, the results of the dummy variable of urban are consistent in the selected models. The most significant observation is that the households reside in urban areas spent lesser on rice and subsequently devoted lower share for rice than those reside in rural areas.

The incorporation of demographic variables obviously improved the performance of all the selected models. As the LEM is nested in the QEM, the results of both of the models are not very much different. Similarly, both of the models performed better than Working-Leser and LA/AIDS as indicated by the adjusted R^2 . However, single equation functional forms of the LEM and QEM were not imposed with the regularity conditions. Thus, the assumption of utility maximization was made before hand by including major factors (income, own-price, and price of substitutes) in the equations. Further efforts on estimating expenditure elasticities have seen that the LEM and QEM produce more plausible results than the Working-Leser and LA/AIDS models.

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	R	ice	Bread &	other cereals	Μ	leat	F	ïsh	Milk	& dairy	E	ggs
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	0.3686	(0.0131)***	0.3330	(0.0200)***	-0.0556	(0.0175)***	0.0263	(0.0201)	-0.0253	(0.0144)*	0.1000	(0.0047)***
LOG(TOTFD)	-0.0267	(0.0010)***	-0.0587	(0.0015)***	0.0339	(0.0013)***	0.0210	(0.0015)***	0.0089	(0.0011)***	-0.0043	(0.0004)***
LOG(P1)	-0.1455	(0.0032)***	0.0877	(0.0049)***	0.0005	(0.0043)	-0.0358	(0.0049)***	-0.0008	(0.0035)	-0.0039	(0.0011)***
LOG(P2)	-0.0056	(0.0010)***	0.0112	(0.0016)***	-0.0024	(0.0014)*	-0.0006	(0.0016)	0.0037	(0.0011)***	-0.0023	(0.0004)***
LOG(P3)	0.0048	(0.0021)**	0.0291	(0.0032)***	-0.0297	(0.0028)***	-0.0205	(0.0032)***	-0.0014	(0.0023)	-0.0030	$(0.0008)^{***}$
LOG(P4)	-0.0126	(0.0031)***	0.0186	(0.0047)***	0.0005	(0.0041)	-0.0093	(0.0047)**	0.0017	(0.0034)	0.0015	(0.0011)
LOG(P5)	-0.0030	(0.0009)***	-0.0027	(0.0013)**	-0.0074	(0.0012)***	-0.0138	(0.0013)***	0.0475	(0.0010)***	-0.0023	$(0.0003)^{***}$
LOG(P6)	-0.0022	(0.0023)	0.0057	(0.0036)	-0.0007	(0.0031)	0.0171	(0.0036)***	-0.0079	(0.0026)***	-0.0143	(0.0008)***
LOG(P7)	-0.0016	(0.0008)**	0.0053	(0.0012)***	0.0027	(0.0011)***	-0.0053	(0.0012)***	0.0017	(0.0009)**	-0.0012	(0.0003)***
LOG(P8)	0.0058	(0.0013)***	-0.0073	(0.0019)***	0.0084	(0.0017)***	0.0081	(0.0019)***	0.0054	(0.0014)***	-0.0004	(0.0005)
LOG(P9)	-0.0011	(0.0023)	0.0386	(0.0035)***	-0.0096	(0.0030)***	-0.0461	(0.0035)***	0.0063	(0.0025)***	-0.0020	(0.0008)**
LOG(P10)	-0.0082	(0.0007)***	0.0104	(0.0011)***	0.0010	(0.0010)	-0.0054	(0.0011)***	0.0000	(0.0008)	-0.0008	(0.0003)***
LOG(P11)	-0.0051	(0.0008)***	0.0126	(0.0013)***	-0.0049	(0.0011)***	-0.0168	(0.0013)***	0.0009	(0.0009)	-0.0014	$(0.0003)^{***}$
LOG(P12)	0.0033	(0.0006)***	-0.0079	(0.0010)***	0.0044	(0.0009)***	0.0155	(0.0010)***	0.0014	(0.0007)*	0.0001	(0.0002)
LOG(AGE)	0.0171	(0.0021)***	-0.0277	(0.0032)***	0.0085	(0.0028)***	0.0408	(0.0032)***	-0.0296	(0.0023)***	-0.0040	(0.0007)***
LOG(HHSIZE)	-0.0154	(0.0011)***	-0.0489	(0.0017)***	0.0290	(0.0015)***	0.0251	(0.0017)***	0.0179	(0.0012)***	-0.0027	$(0.0004)^{***}$
URBAN	-0.0131	(0.0012)***	0.0124	(0.0019)***	0.0058	(0.0016)***	-0.0093	(0.0019)***	0.0072	(0.0013)***	0.0002	(0.0004)
EMPLOYED	0.0062	(0.0015)***	-0.0094	(0.0023)***	0.0039	(0.0020)*	-0.0024	(0.0024)	-0.0040	(0.0017)**	-0.0005	(0.0005)
MALE	0.0003	(0.0016)	0.0018	(0.0024)	0.0014	(0.0021)	0.0019	(0.0024)	0.0018	(0.0017)	-0.0006	(0.0006)
MALAY	-0.0208	(0.0020)***	0.0222	(0.0031)***	-0.0069	(0.0027)***	0.0176	(0.0031)***	0.0069	(0.0022)***	-0.0039	(0.0007)***
CHINESE	-0.0253	(0.0022)***	0.0065	(0.0033)**	0.0301	(0.0029)***	-0.0064	(0.0033)*	0.0000	(0.0024)	-0.0042	(0.0008)***
INDIAN	-0.0154	(0.0030)***	-0.0108	(0.0046)**	-0.0129	(0.0040)***	-0.0044	(0.0046)	0.0174	(0.0033)***	-0.0062	(0.0011)***
PENINSUL	-0.0514	(0.0021)***	0.0013	(0.0032)	0.0118	(0.0028)***	0.0419	(0.0032)***	0.0104	(0.0023)***	-0.0066	(0.0007)***
SARAWAK	-0.0135	(0.0023)***	-0.0165	(0.0035)***	0.0520	(0.0030)***	-0.0065	(0.0035)*	-0.0002	(0.0025)	-0.0006	(0.0008)

Appendix 1: The parameter estimates of the Working-Leser model with demographic variables, Malaysia, 2004/2005.

Appendix	1:	Continued

Appendix 1.	Commuted											
	Oils	& fats	Fr	uits	Vege	etables	Su	ıgar	Ot	hers	Bev	erage
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	0.0629	(0.0051)***	-0.0417	(0.0139)***	0.1613	(0.0117)***	0.0760	(0.0068)***	-0.1740	(0.0173)***	0.1684	(0.0139)***
LOG(TOTFD)	-0.0016	(0.0004)***	0.0037	(0.0010)***	0.0055	(0.0009)***	-0.0058	(0.0005)***	0.0351	(0.0013)***	-0.0110	(0.0010)***
LOG(P1)	-0.0048	(0.0013)***	0.0407	(0.0034)***	-0.0182	(0.0029)***	0.0020	(0.0017)	0.0414	(0.0042)***	0.0367	(0.0034)***
LOG(P2)	-0.0017	(0.0004)***	0.0025	(0.0011)**	-0.0019	(0.0009)**	-0.0019	(0.0005)***	-0.0026	(0.0014)*	0.0017	(0.0011)
LOG(P3)	-0.0001	(0.0008)	0.0118	(0.0022)***	-0.0140	(0.0019)***	0.0051	(0.0011)***	0.0021	(0.0028)	0.0158	(0.0022)***
LOG(P4)	0.0026	(0.0012)**	0.0077	(0.0033)**	-0.0142	(0.0027)***	0.0002	(0.0016)	-0.0044	(0.0041)	0.0077	(0.0033)**
LOG(P5)	-0.0010	(0.0003)***	-0.0025	$(0.0009)^{***}$	-0.0026	(0.0008)***	-0.0016	(0.0005)***	-0.0042	(0.0011)***	-0.0063	(0.0009)***
LOG(P6)	-0.0024	(0.0009)***	0.0045	(0.0025)*	-0.0051	(0.0021)**	-0.0006	(0.0012)	0.0048	(0.0031)	0.0010	(0.0025)
LOG(P7)	-0.0141	(0.0003)***	0.0053	$(0.0008)^{***}$	-0.0019	(0.0007)***	0.0002	(0.0004)	0.0080	(0.0011)***	0.0008	(0.0008)
LOG(P8)	0.0006	(0.0005)	-0.0371	(0.0013)***	-0.0002	(0.0011)	0.0006	(0.0007)	0.0108	(0.0017)***	0.0051	(0.0013)***
LOG(P9)	0.0013	(0.0009)	0.0056	(0.0024)**	-0.0254	(0.0020)***	0.0065	(0.0012)***	-0.0049	(0.0030)	0.0307	(0.0024)***
LOG(P10)	-0.0011	(0.0003)***	0.0057	$(0.0008)^{***}$	-0.0016	(0.0007)**	-0.0022	(0.0004)***	0.0019	(0.0010)**	0.0002	(0.0008)
LOG(P11)	-0.0017	(0.0003)***	0.0010	(0.0009)	-0.0123	(0.0008)***	0.0015	$(0.0004)^{***}$	0.0217	$(0.0011)^{***}$	0.0046	(0.0009)***
LOG(P12)	0.0001	(0.0003)	-0.0042	$(0.0007)^{***}$	0.0064	(0.0006)***	-0.0030	$(0.0003)^{***}$	0.0065	$(0.0008)^{***}$	-0.0225	(0.0007)***
LOG(AGE)	0.0009	(0.0008)	0.0134	(0.0022)***	0.0146	(0.0019)***	-0.0042	$(0.0011)^{***}$	-0.0081	(0.0028)***	-0.0217	(0.0022)***
LOG(HHSIZE)	-0.0025	(0.0004)***	-0.0090	(0.0012)***	0.0030	(0.0010)***	-0.0012	(0.0006)**	0.0241	(0.0014)***	-0.0195	(0.0012)***
URBAN	0.0006	(0.0005)	0.0022	(0.0013)*	-0.0089	(0.0011)***	0.0001	(0.0006)	-0.0034	(0.0016)**	0.0060	(0.0013)***
EMPLOYED	0.0002	(0.0006)	0.0105	(0.0016)***	0.0009	(0.0014)	0.0022	$(0.0008)^{***}$	-0.0037	(0.0020)*	-0.0038	(0.0016)**
MALE	-0.0007	(0.0006)	0.0001	(0.0017)	-0.0061	(0.0014)***	-0.0034	$(0.0008)^{***}$	-0.0022	(0.0021)	0.0058	(0.0017)***
MALAY	0.0022	(0.0008)***	0.0057	(0.0021)***	-0.0249	(0.0018)***	0.0048	$(0.0010)^{***}$	0.0005	(0.0026)	-0.0033	(0.0021)
CHINESE	0.0038	$(0.0008)^{***}$	0.0145	(0.0023)***	0.0083	(0.0019)***	-0.0055	$(0.0011)^{***}$	-0.0188	$(0.0028)^{***}$	-0.0031	(0.0023)
INDIAN	0.0084	(0.0012)***	0.0006	(0.0032)	0.0193	(0.0027)***	-0.0014	(0.0016)	0.0132	(0.0040)***	-0.0076	(0.0032)**
PENINSUL	-0.0027	(0.0008)***	0.0194	(0.0022)***	0.0009	(0.0019)	-0.0055	(0.0011)***	-0.0093	(0.0028	-0.0101	(0.0022)***
SARAWAK	-0.0010	(0.0009)	0.0014	(0.0024)	0.0130	(0.0020)***	-0.0032	(0.0012)***	-0.0281	(0.0030	0.0032	(0.0024)
Mater Cianifia	amaa larvala	and damated 1		07 ** fan 507	and * fan	1007						

	R	ice	Bread & o	ther cereals		eat		ish		& dairy	E	ggs
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	0.3299	(0.0093)***	0.0464	(0.0139)***	0.0252	(0.0121)**	0.4005	(0.0139)***	-0.0342	(0.0097)***	0.0636	(0.0031)***
LOG(TOTFD)	-0.0228	(0.0010)***	-0.0483	(0.0014)***	0.0333	(0.0013)***	0.0130	(0.0014)***	0.0008	(0.0010)	-0.0039	(0.0003)***
LOG(P1)	-0.1327	(0.0033)***	0.1147	(0.0050)***	-0.0032	(0.0044)	-0.0641	(0.0050)***	-0.0124	(0.0035)***	-0.0007	(0.0011)
LOG(P2)	-0.0021	(0.0011)*	0.0110	(0.0016)***	0.0016	(0.0014)	-0.0088	(0.0016)***	0.0021	(0.0011)*	-0.0015	(0.0004)***
LOG(P3)	0.0116	(0.0022)***	0.0486	(0.0033)***	-0.0394	(0.0029)***	-0.0322	(0.0033)***	-0.0093	(0.0023)***	-0.0014	(0.0007)*
LOG(P4)	-0.0166	(0.0032)***	0.0130	(0.0047)***	0.0245	(0.0041)***	-0.0329	(0.0048)***	0.0022	(0.0033)	0.0019	(0.0011)*
LOG(P5)	-0.0035	(0.0009)***	-0.0069	(0.0014)***	-0.0035	(0.0012)***	-0.0154	(0.0014)***	0.0492	(0.0010)***	-0.0022	(0.0003)***
LOG(P6)	0.0092	(0.0025)***	0.0081	(0.0037)**	0.0030	(0.0032)	0.0047	(0.0037)	-0.0138	(0.0026)***	-0.0125	(0.0008)***
LOG(P7)	-0.0020	(0.0008)**	0.0123	(0.0013)***	-0.0015	(0.0011)	-0.0066	(0.0013)***	0.0002	(0.0009)	-0.0011	(0.0003)***
LOG(P8)	0.0026	(0.0013)*	0.0012	(0.0020)	0.0007	(0.0017)	0.0082	(0.0020)***	0.0057	(0.0014)***	-0.0007	(0.0005)
LOG(P9)	-0.0134	(0.0024)***	0.0556	(0.0036)***	-0.0242	(0.0031)***	-0.0407	(0.0036)***	0.0092	(0.0025)***	-0.0036	$(0.0008)^{***}$
LOG(P10)	-0.0108	(0.0008)***	0.0150	(0.0011)***	-0.0004	(0.0010)	-0.0076	(0.0012)***	0.0007	(0.0008)	-0.0008	(0.0003)***
LOG(P11)	-0.0075	(0.0009)***	0.0140	(0.0013)***	-0.0023	(0.0012)**	-0.0191	(0.0013)***	0.0016	(0.0009)*	-0.0014	(0.0003)***
LOG(P12)	0.0035	(0.0007)***	-0.0066	(0.0010)***	0.0035	(0.0009)***	0.0182	(0.0010)***	-0.0014	(0.0007)**	-0.0003	(0.0002)
		& fats		Fruits		Vegetables		ıgar		hers		erage
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	0.0489	(0.0034)***	-0.0154	(0.0093)*	0.1364	(0.0081)***	0.0734	(0.0046)***	-0.0600	(0.0117)***	-0.0147	(0.0094)
LOG(TOTFD)	0.0489 -0.0005	(0.0034)*** (0.0004)	0.0080	(0.0093)* (0.0010)***	0.1364 0.0103	(0.0081)*** (0.0008)***	0.0734 -0.0071	(0.0046)*** (0.0005)***	-0.0600 0.0239	(0.0117)*** (0.0012)***	-0.0147 -0.0068	(0.0094) (0.0010)***
LOG(TOTFD) LOG(P1)	0.0489 -0.0005 -0.0034	(0.0034)*** (0.0004) (0.0012)***	0.0080 0.0425	(0.0093)* (0.0010)*** (0.0034)***	0.1364 0.0103 -0.0163	(0.0081)*** (0.0008)*** (0.0029)***	0.0734 -0.0071 0.0024	(0.0046)*** (0.0005)*** (0.0016)	-0.0600 0.0239 0.0206	(0.0117)*** (0.0012)*** (0.0042)***	-0.0147 -0.0068 0.0526	(0.0094) (0.0010)*** (0.0034)***
LOG(TOTFD) LOG(P1) LOG(P2)	0.0489 -0.0005 -0.0034 -0.0015	(0.0034)*** (0.0004) (0.0012)*** (0.0004)***	0.0080 0.0425 0.0019	(0.0093)* (0.0010)*** (0.0034)*** (0.0011)*	0.1364 0.0103 -0.0163 0.0016	(0.0081)*** (0.0008)*** (0.0029)*** (0.0010)	0.0734 -0.0071 0.0024 -0.0026	(0.0046)*** (0.0005)*** (0.0016) (0.0005)***	-0.0600 0.0239 0.0206 -0.0061	(0.0117)*** (0.0012)*** (0.0042)*** (0.0014)***	-0.0147 -0.0068 0.0526 0.0043	(0.0094) (0.0010)*** (0.0034)*** (0.0011)***
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3)	0.0489 -0.0005 -0.0034 -0.0015 0.0005	(0.0034)*** (0.0004) (0.0012)*** (0.0004)*** (0.0008)	0.0080 0.0425 0.0019 0.0148	(0.0093)* (0.0010)*** (0.0034)*** (0.0011)* (0.0022)***	0.1364 0.0103 -0.0163 0.0016 -0.0145	(0.0081)*** (0.0008)*** (0.0029)*** (0.0010) (0.0019)***	0.0734 -0.0071 0.0024 -0.0026 0.0052	(0.0046)*** (0.0005)*** (0.0016) (0.0005)*** (0.0011)***	-0.0600 0.0239 0.0206 -0.0061 -0.0077	(0.0117)*** (0.0012)*** (0.0042)*** (0.0014)*** (0.0028)***	-0.0147 -0.0068 0.0526 0.0043 0.0237	(0.0094) (0.0010)*** (0.0034)*** (0.0011)*** (0.0022)***
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4)	0.0489 -0.0005 -0.0034 -0.0015 0.0005 0.0045	(0.0034)*** (0.0004) (0.0012)*** (0.0004)*** (0.0008) (0.0012)***	0.0080 0.0425 0.0019 0.0148 0.0099	(0.0093)* (0.0010)*** (0.0034)*** (0.0011)* (0.0022)*** (0.0032)***	0.1364 0.0103 -0.0163 0.0016 -0.0145 0.0025	(0.0081)*** (0.0008)*** (0.0029)*** (0.0010) (0.0019)*** (0.0028)	0.0734 -0.0071 0.0024 -0.0026 0.0052 -0.0047	(0.0046)*** (0.0005)*** (0.0016) (0.0005)*** (0.0011)*** (0.0016)***	-0.0600 0.0239 0.0206 -0.0061 -0.0077 -0.0166	$\begin{array}{c} (0.0117)^{***} \\ (0.0012)^{***} \\ (0.0042)^{***} \\ (0.0014)^{***} \\ (0.0028)^{***} \\ (0.0040)^{***} \end{array}$	-0.0147 -0.0068 0.0526 0.0043 0.0237 0.0123	(0.0094) (0.0010)*** (0.0034)*** (0.0011)*** (0.0022)*** (0.0032)***
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5)	0.0489 -0.0005 -0.0034 -0.0015 0.0005 0.0045 -0.0011	(0.0034)*** (0.0004) (0.0012)*** (0.0004)*** (0.0008) (0.0012)*** (0.0003)***	0.0080 0.0425 0.0019 0.0148 0.0099 -0.0039	(0.0093)* (0.0010)*** (0.0034)*** (0.0011)* (0.0022)*** (0.0032)*** (0.0009)***	0.1364 0.0103 -0.0163 0.0016 -0.0145 0.0025 -0.0011	(0.0081)*** (0.0008)*** (0.0029)*** (0.0010) (0.0019)*** (0.0028) (0.0008)	0.0734 -0.0071 0.0024 -0.0026 0.0052 -0.0047 -0.0019	$\begin{array}{c} (0.0046)^{***}\\ (0.0005)^{***}\\ (0.0016)\\ (0.0005)^{***}\\ (0.0011)^{***}\\ (0.0016)^{***}\\ (0.0005)^{***} \end{array}$	-0.0600 0.0239 0.0206 -0.0061 -0.0077 -0.0166 -0.0029	(0.0117)*** (0.0012)*** (0.0042)*** (0.0014)*** (0.0028)*** (0.0040)*** (0.0012)**	-0.0147 -0.0068 0.0526 0.0043 0.0237 0.0123 -0.0068	$\begin{array}{c} (0.0094) \\ (0.0010)^{***} \\ (0.0034)^{***} \\ (0.0011)^{***} \\ (0.0022)^{***} \\ (0.0032)^{***} \\ (0.0009)^{***} \end{array}$
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6)	0.0489 -0.0005 -0.0034 -0.0015 0.0005 0.0045 -0.0011 -0.0020	(0.0034)*** (0.0004) (0.0012)*** (0.0004)*** (0.0008) (0.0012)*** (0.0003)*** (0.0009)**	0.0080 0.0425 0.0019 0.0148 0.0099 -0.0039 0.0019	(0.0093)* (0.0010)*** (0.0034)*** (0.0011)* (0.0022)*** (0.0032)*** (0.0009)*** (0.0025)	0.1364 0.0103 -0.0163 0.0016 -0.0145 0.0025 -0.0011 -0.0026	(0.0081)*** (0.0008)*** (0.0029)*** (0.0010) (0.0019)*** (0.0028) (0.0008) (0.0022)	0.0734 -0.0071 0.0024 -0.0026 0.0052 -0.0047 -0.0019 -0.0002	(0.0046)*** (0.0005)*** (0.0016) (0.0005)*** (0.0011)*** (0.0016)*** (0.0005)*** (0.0012)	-0.0600 0.0239 0.0206 -0.0061 -0.0077 -0.0166 -0.0029 -0.0016	$\begin{array}{c} (0.0117)^{***}\\ (0.0012)^{***}\\ (0.0042)^{***}\\ (0.0014)^{***}\\ (0.0028)^{***}\\ (0.0040)^{***}\\ (0.0012)^{**}\\ (0.0031) \end{array}$	-0.0147 -0.0068 0.0526 0.0043 0.0237 0.0123 -0.0068 0.0058	$\begin{array}{c} (0.0094) \\ (0.0010)^{***} \\ (0.0034)^{***} \\ (0.0011)^{***} \\ (0.0022)^{***} \\ (0.0032)^{***} \\ (0.0009)^{***} \\ (0.0025)^{**} \end{array}$
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7)	0.0489 -0.0005 -0.0034 -0.0015 0.0005 0.0045 -0.0011 -0.0020 -0.0138	(0.0034)*** (0.0004) (0.0012)*** (0.0004)*** (0.0008) (0.0012)*** (0.0003)*** (0.0009)**	0.0080 0.0425 0.0019 0.0148 0.0099 -0.0039 0.0019 0.0071	(0.0093)* (0.0010)*** (0.0034)*** (0.0011)* (0.0022)*** (0.0032)*** (0.0009)*** (0.0025) (0.0008)***	0.1364 0.0103 -0.0163 0.0016 -0.0145 0.0025 -0.0011 -0.0026 -0.0029	(0.0081)*** (0.0008)*** (0.0029)*** (0.0010) (0.0019)*** (0.0028) (0.0008) (0.0022) (0.0007)***	0.0734 -0.0071 0.0024 -0.0026 0.0052 -0.0047 -0.0019 -0.0002 0.0003	(0.0046)*** (0.0005)*** (0.0016) (0.0005)*** (0.0011)*** (0.0016)*** (0.0005)*** (0.0012) (0.0004)	-0.0600 0.0239 0.0206 -0.0061 -0.0077 -0.0166 -0.0029 -0.0016 0.0053	(0.0117)*** (0.0012)*** (0.0042)*** (0.0014)*** (0.0028)*** (0.0040)*** (0.0012)** (0.0031) (0.0011)***	-0.0147 -0.0068 0.0526 0.0043 0.0237 0.0123 -0.0068 0.0058 0.0027	$\begin{array}{c} (0.0094) \\ (0.0010)^{***} \\ (0.0034)^{***} \\ (0.0011)^{***} \\ (0.0022)^{***} \\ (0.0032)^{***} \\ (0.0009)^{***} \\ (0.0025)^{**} \\ (0.0009)^{***} \end{array}$
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8)	0.0489 -0.0005 -0.0034 -0.0015 0.0005 0.0045 -0.0011 -0.0020 -0.0138 0.0010	(0.0034)*** (0.0004) (0.0012)*** (0.0004)*** (0.0008) (0.0012)*** (0.0003)*** (0.0009)** (0.0003)*** (0.0003)***	0.0080 0.0425 0.0019 0.0148 0.0099 -0.0039 0.0019 0.0071 -0.0346	(0.0093)* (0.0010)*** (0.0034)*** (0.0011)* (0.0022)*** (0.0032)*** (0.0009)*** (0.00025) (0.0008)*** (0.0013)***	0.1364 0.0103 -0.0163 0.0016 -0.0145 0.0025 -0.0011 -0.0026 -0.0029 -0.0013	(0.0081)*** (0.0008)*** (0.0029)*** (0.0010) (0.0019)*** (0.0028) (0.0008) (0.0022) (0.0007)*** (0.0012)	0.0734 -0.0071 0.0024 -0.0026 0.0052 -0.0047 -0.0019 -0.0002 0.0003 0.0008	(0.0046)*** (0.0005)*** (0.0016) (0.0005)*** (0.0011)*** (0.0016)*** (0.0005)*** (0.0005)*** (0.0012) (0.0004) (0.0007)	-0.0600 0.0239 0.0206 -0.0061 -0.0077 -0.0166 -0.0029 -0.0016 0.0053 0.0096	$\begin{array}{c} (0.0117)^{***}\\ (0.0012)^{***}\\ (0.0042)^{***}\\ (0.0014)^{***}\\ (0.0028)^{***}\\ (0.0028)^{***}\\ (0.0040)^{***}\\ (0.0012)^{**}\\ (0.0031)\\ (0.0011)^{***}\\ (0.0017)^{***} \end{array}$	-0.0147 -0.0068 0.0526 0.0043 0.0237 0.0123 -0.0068 0.0058 0.0027 0.0068	$\begin{array}{c} (0.0094) \\ (0.0010)^{***} \\ (0.0034)^{***} \\ (0.0011)^{***} \\ (0.0022)^{***} \\ (0.0022)^{***} \\ (0.0032)^{***} \\ (0.0009)^{***} \\ (0.0025)^{**} \\ (0.0009)^{***} \\ (0.0014)^{***} \end{array}$
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8) LOG(P9)	0.0489 -0.0005 -0.0034 -0.0015 0.0005 0.0045 -0.0011 -0.0020 -0.0138 0.0010 0.0022	(0.0034)*** (0.0004) (0.0012)*** (0.0004)*** (0.0008) (0.0012)*** (0.0003)*** (0.0003)*** (0.0003)*** (0.0005)** (0.0009)**	0.0080 0.0425 0.0019 0.0148 0.0099 -0.0039 0.0019 0.0071 -0.0346 0.0121	$\begin{array}{c} (0.0093)^{*}\\ (0.0010)^{***}\\ (0.0034)^{***}\\ (0.0011)^{*}\\ (0.0022)^{***}\\ (0.0032)^{***}\\ (0.0032)^{***}\\ (0.0008)^{***}\\ (0.0008)^{***}\\ (0.0013)^{***}\\ (0.0024)^{***} \end{array}$	0.1364 0.0103 -0.0163 0.0016 -0.0145 0.0025 -0.0011 -0.0026 -0.0029 -0.0013 -0.0298	$\begin{array}{c} (0.0081)^{***}\\ (0.0008)^{***}\\ (0.0029)^{***}\\ (0.0010)\\ (0.0019)^{***}\\ (0.0028)\\ (0.0028)\\ (0.00022)\\ (0.0007)^{***}\\ (0.0012)\\ (0.0021)^{***} \end{array}$	0.0734 -0.0071 0.0024 -0.0026 0.0052 -0.0047 -0.0019 -0.0002 0.0003 0.0008 0.0065	(0.0046)*** (0.0005)*** (0.0016) (0.0005)*** (0.0011)*** (0.0016)*** (0.0005)*** (0.0012) (0.0004) (0.0007) (0.0012)***	-0.0600 0.0239 0.0206 -0.0061 -0.0077 -0.0166 -0.0029 -0.0016 0.0053 0.0096 -0.0061	$\begin{array}{c} (0.0117)^{***}\\ (0.0012)^{***}\\ (0.0042)^{***}\\ (0.0014)^{***}\\ (0.0028)^{***}\\ (0.0028)^{***}\\ (0.0040)^{***}\\ (0.0012)^{**}\\ (0.0031)\\ (0.0011)^{***}\\ (0.0017)^{***}\\ (0.0030)^{**} \end{array}$	-0.0147 -0.0068 0.0526 0.0043 0.0237 0.0123 -0.0068 0.0058 0.0027 0.0068 0.0022	$\begin{array}{c} (0.0094) \\ (0.0010)^{***} \\ (0.0034)^{***} \\ (0.0011)^{***} \\ (0.0022)^{***} \\ (0.0022)^{***} \\ (0.0025)^{***} \\ (0.0009)^{***} \\ (0.0009)^{***} \\ (0.0014)^{***} \\ (0.0024)^{***} \end{array}$
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8) LOG(P9) LOG(P10)	0.0489 -0.0005 -0.0034 -0.0015 0.0005 0.0045 -0.0011 -0.0020 -0.0138 0.0010 0.0022 -0.0009	(0.0034)*** (0.0004) (0.0012)*** (0.0008) (0.0012)*** (0.0008) (0.0012)*** (0.0003)*** (0.0003)*** (0.0005)** (0.0009)** (0.0009)**	$\begin{array}{c} 0.0080\\ 0.0425\\ 0.0019\\ 0.0148\\ 0.0099\\ -0.0039\\ 0.0019\\ 0.0071\\ -0.0346\\ 0.0121\\ 0.0072 \end{array}$	$\begin{array}{c} (0.0093)^{*}\\ (0.0010)^{***}\\ (0.0034)^{***}\\ (0.0011)^{*}\\ (0.0022)^{***}\\ (0.0032)^{***}\\ (0.0025)\\ (0.0008)^{***}\\ (0.0013)^{***}\\ (0.0024)^{***}\\ (0.0008)^{***}\\ \end{array}$	0.1364 0.0103 -0.0163 0.0016 -0.0145 0.0025 -0.0011 -0.0026 -0.0029 -0.0013 -0.0298 -0.0022	(0.0081)*** (0.0008)*** (0.0029)*** (0.0010) (0.0019)*** (0.0028) (0.0008) (0.0022) (0.0007)*** (0.0012) (0.0021)*** (0.0007)***	0.0734 -0.0071 0.0024 -0.0026 0.0052 -0.0047 -0.0019 -0.0002 0.0003 0.0008 0.0008 0.0065 -0.0024	$\begin{array}{c} (0.0046)^{***}\\ (0.0005)^{***}\\ (0.0016)\\ (0.0005)^{***}\\ (0.0011)^{***}\\ (0.0016)^{***}\\ (0.0016)^{***}\\ (0.0005)^{***}\\ (0.0012)\\ (0.0004)\\ (0.0007)\\ (0.0012)^{***}\\ (0.0004)^{***}\\ \end{array}$	-0.0600 0.0239 0.0206 -0.0061 -0.0077 -0.0166 -0.0029 -0.0016 0.0053 0.0096 -0.0061 0.0006	$\begin{array}{c} (0.0117)^{***}\\ (0.0012)^{***}\\ (0.0042)^{***}\\ (0.0014)^{***}\\ (0.0028)^{***}\\ (0.0028)^{***}\\ (0.0040)^{***}\\ (0.0012)^{**}\\ (0.0031)\\ (0.0011)^{***}\\ (0.0030)^{**}\\ (0.0030)^{**}\\ (0.0010) \end{array}$	-0.0147 -0.0068 0.0526 0.0043 0.0237 0.0123 -0.0068 0.0027 0.0068 0.0027 0.0068 0.0322 0.0017	$\begin{array}{c} (0.0094) \\ (0.0010)^{***} \\ (0.0034)^{***} \\ (0.0011)^{***} \\ (0.0022)^{***} \\ (0.0022)^{***} \\ (0.0025)^{***} \\ (0.0009)^{***} \\ (0.0009)^{***} \\ (0.0014)^{****} \\ (0.0024)^{***} \\ (0.0008)^{**} \end{array}$
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8) LOG(P9)	0.0489 -0.0005 -0.0034 -0.0015 0.0005 0.0045 -0.0011 -0.0020 -0.0138 0.0010 0.0022	(0.0034)*** (0.0004) (0.0012)*** (0.0004)*** (0.0008) (0.0012)*** (0.0003)*** (0.0003)*** (0.0003)*** (0.0005)** (0.0009)**	0.0080 0.0425 0.0019 0.0148 0.0099 -0.0039 0.0019 0.0071 -0.0346 0.0121	$\begin{array}{c} (0.0093)^{*}\\ (0.0010)^{***}\\ (0.0034)^{***}\\ (0.0011)^{*}\\ (0.0022)^{***}\\ (0.0032)^{***}\\ (0.0032)^{***}\\ (0.0008)^{***}\\ (0.0008)^{***}\\ (0.0013)^{***}\\ (0.0024)^{***} \end{array}$	0.1364 0.0103 -0.0163 0.0016 -0.0145 0.0025 -0.0011 -0.0026 -0.0029 -0.0013 -0.0298	$\begin{array}{c} (0.0081)^{***}\\ (0.0008)^{***}\\ (0.0029)^{***}\\ (0.0010)\\ (0.0019)^{***}\\ (0.0028)\\ (0.0028)\\ (0.00022)\\ (0.0007)^{***}\\ (0.0012)\\ (0.0021)^{***} \end{array}$	0.0734 -0.0071 0.0024 -0.0026 0.0052 -0.0047 -0.0019 -0.0002 0.0003 0.0008 0.0065	(0.0046)*** (0.0005)*** (0.0016) (0.0005)*** (0.0011)*** (0.0016)*** (0.0012) (0.0004) (0.0007) (0.0012)***	-0.0600 0.0239 0.0206 -0.0061 -0.0077 -0.0166 -0.0029 -0.0016 0.0053 0.0096 -0.0061	$\begin{array}{c} (0.0117)^{***}\\ (0.0012)^{***}\\ (0.0042)^{***}\\ (0.0014)^{***}\\ (0.0028)^{***}\\ (0.0028)^{***}\\ (0.0040)^{***}\\ (0.0012)^{**}\\ (0.0031)\\ (0.0011)^{***}\\ (0.0017)^{***}\\ (0.0030)^{**} \end{array}$	-0.0147 -0.0068 0.0526 0.0043 0.0237 0.0123 -0.0068 0.0058 0.0027 0.0068 0.0322	$\begin{array}{c} (0.0094) \\ (0.0010)^{***} \\ (0.0034)^{***} \\ (0.0011)^{***} \\ (0.0022)^{***} \\ (0.0022)^{***} \\ (0.0025)^{***} \\ (0.0009)^{***} \\ (0.0009)^{***} \\ (0.0014)^{***} \\ (0.0024)^{***} \end{array}$

Appendix 2: The parameter estimates of the Working-Leser model without demographic variables, Malaysia, 2004/2005.

	R	ice	Bread & o	other cereals	Μ	leat	F	ish	Milk d	& dairy	E	ggs
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	0.6397	(0.1248)***	-0.6805	$(0.1411)^{***}$	-3.8137	(0.1531)***	-2.4497	(0.1250)***	-3.1960	(0.2044)***	-0.4091	(0.1660)**
LOG(TOTFD)	0.4991	(0.0108)***	0.7159	(0.0107)***	1.1180	(0.0136)***	1.0509	(0.0107)***	0.7250	(0.0174)***	0.5457	(0.0140)***
LOG(P1)	-0.0889	(0.0477)*	0.3109	(0.0345)***	0.0875	(0.0382)**	-0.1138	(0.0314)***	0.1132	(0.0512)**	0.0593	(0.0419)
LOG(P2)	-0.0525	(0.0097)***	0.1018	(0.0111)***	-0.0369	(0.0120)***	-0.0047	(0.0099)	0.0077	(0.0162)	-0.0720	(0.0132)***
LOG(P3)	-0.0031	(0.0195)	0.1232	(0.0226)***	0.2744	(0.0263)***	-0.0911	(0.0198)***	0.0320	(0.0326)	-0.0492	(0.0264)*
LOG(P4)	-0.1059	(0.0290)***	0.0077	(0.0331)	0.0236	(0.0356)	-0.1294	(0.0282)***	0.1523	(0.0479)***	0.1409	(0.0391)***
LOG(P5)	-0.0297	(0.0079)***	-0.0316	(0.0093)***	-0.0668	(0.0098)***	-0.0689	(0.0081)***	0.9650	(0.0123)***	-0.0810	(0.0106)***
LOG(P6)	0.0007	(0.0216)	-0.0006	(0.0252)	0.0100	(0.0261)	0.0980	(0.0219)***	-0.1282	(0.0349)***	-0.1599	(0.0269)***
LOG(P7)	-0.0234	(0.0073)***	0.0211	(0.0086)**	0.0238	(0.0090)***	-0.0339	(0.0074)***	0.0407	(0.0122)***	-0.0147	(0.0099)
LOG(P8)	0.0455	(0.0117)***	-0.1073	(0.0136)***	0.0646	(0.0146)***	0.0420	(0.0119)***	0.0791	(0.0194)***	0.0205	(0.0158)
LOG(P9)	0.0451	(0.0230)*	0.1466	(0.0245)***	-0.0245	(0.0284)	-0.2360	(0.0228)***	0.2132	(0.0363)***	-0.0003	(0.0304)
LOG(P10)	-0.0756	(0.0070)***	0.0644	(0.0079)***	0.0171	(0.0086)**	-0.0337	(0.0070)***	0.0572	(0.0116)***	-0.0141	(0.0095)
LOG(P11)	-0.0451	$(0.0078)^{***}$	0.0625	$(0.0090)^{***}$	-0.0360	(0.0097)***	-0.0825	(0.0079)***	-0.0083	(0.0130)	-0.0469	(0.0107)***
LOG(P12)	0.0310	(0.0061)***	-0.1046	(0.0069)***	0.0293	(0.0075)***	0.0851	(0.0061)***	0.0303	(0.0103)***	0.0066	(0.0082)
LOG(AGE)	0.1451	(0.0200)***	-0.1647	(0.0225)***	0.0487	(0.0250)*	0.2534	(0.0202)***	-0.3469	(0.0328)***	-0.1182	(0.0265)***
LOG(HHSIZE)	-0.3267	(0.0109)***	-0.2217	$(0.0118)^{***}$	0.1093	(0.0140)***	0.0936	(0.0109)***	-0.1832	(0.0185)***	-0.3510	(0.0145)***
URBAN	-0.1146	(0.0111)***	0.0866	(0.0131)***	0.0743	(0.0139)***	-0.0357	(0.0113)***	0.1118	(0.0184)***	0.0334	(0.0148)**
EMPLOYED	0.0318	(0.0143)**	-0.0146	(0.0165)	0.0173	(0.0179)	-0.0141	(0.0146)	-0.0720	(0.0237)***	-0.0318	(0.0191)*
MALE	0.0330	(0.0147)**	-0.0413	(0.0169)**	0.0195	(0.0184)	0.0394	(0.0150)***	0.0278	(0.0244)	0.0037	(0.0195)
MALAY	-0.1158	(0.0183)***	0.1776	(0.0215)***	-0.0742	(0.0230)***	0.1295	(0.0187)***	0.0182	(0.0307)	-0.0583	(0.0243)**
CHINESE	-0.1741	(0.0200)***	0.0415	(0.0232)*	0.2354	(0.0246)***	0.0167	(0.0203)	-0.1028	(0.0333)***	-0.0273	(0.0265)
INDIAN	-0.0859	(0.0275)***	-0.0937	(0.0323)***	-0.0562	(0.0343)	0.0326	(0.0282)	0.1564	(0.0445)***	-0.1137	(0.0366)***
PENINSUL	-0.4294	(0.0190)***	-0.0132	(0.0225)	0.0668	(0.0241)***	0.1990	(0.0195)***	0.0999	(0.0318)***	-0.3457	(0.0257)***
SARAWAK	-0.1125	(0.0208)***	-0.1341	(0.0247)***	0.3442	(0.0259)***	-0.0695	(0.0213)***	-0.1082	(0.0351)***	-0.0673	(0.0278)**

Appendix 3: The parameter estimates of the Linear Expenditure System with demographic variables, Malaysia, 2004/2005.

Appendix 3: (
		& fats		ruits		etables		ugar		thers		verage
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient		Coefficient	Std Error	Coefficient	Std Error
С	-2.2274	(0.1583)***		(0.1964)**	-1.5728	(0.1189)***	-1.4904	(0.1681)***	-3.9537	(0.2049)***	-1.9939	(0.1846)***
LOG(TOTFD)	0.7125	(0.0140)***	0.9787	(0.0162)***	0.9650	(0.0101)***	0.6703	(0.0138)***	1.1614	(0.0177)***	0.8652	(0.0149)***
LOG(P1)	0.0119	(0.0422)	0.4935	(0.0481)***	-0.1233	(0.0296)***	-0.0130	(0.0421)	0.2490	(0.0516)***	0.3048	$(0.0458)^{***}$
LOG(P2)	-0.0620	(0.0125)***	0.0167	(0.0155)	-0.0297	(0.0094)***	-0.0779	(0.0133)***	-0.0800	(0.0161)***	0.0199	(0.0147)
LOG(P3)	0.0477	(0.0250)*	0.1450	(0.0313)***	-0.1232	(0.0188)***	0.1291	(0.0266)***	0.0005	(0.0322)	0.1282	$(0.0298)^{***}$
LOG(P4)	0.1341	(0.0374)***	0.1107	(0.0456)**	-0.1366	(0.0275)***	-0.1063	(0.0395)***	-0.0901	(0.0477)*	0.2424	(0.0437)***
LOG(P5)	-0.0280	(0.0100)***	-0.0382	(0.0127)***	-0.0274	(0.0077)***	-0.0483	(0.0109)***	-0.0959	(0.0132)***	-0.0799	(0.0121)***
LOG(P6)	-0.0672	(0.0281)**	0.0406	(0.0341)	-0.0413	(0.0207)**	-0.0032	(0.0297)	0.0207	(0.0353)	-0.0324	(0.0329)
LOG(P7)	-0.0597	(0.0112)***	0.0528	(0.0117)***	-0.0268	(0.0070)***	-0.0176	(0.0100)*	0.0216	(0.0121)*	0.0017	(0.0113)
LOG(P8)	0.0567	(0.0150)***	-0.4609	(0.0191)***	0.0025	(0.0113)	-0.0200	(0.0160)	0.0669	(0.0194)***	0.0335	(0.0179)*
LOG(P9)	0.1257	(0.0295)***	0.1205	(0.0343)***	-0.1626	(0.0202)***	0.1467	(0.0294)***	0.0727	(0.0370)**	0.2476	(0.0318)***
LOG(P10)	-0.0192	(0.0094)**	0.0957	(0.0111)***	-0.0184	(0.0067)***	0.1305	(0.0103)***	-0.0191	(0.0117)	0.0346	(0.0107)***
LOG(P11)	-0.0411	(0.0102)***	0.0172	(0.0125)	-0.1370	(0.0075)***	0.0097	(0.0106)	0.3856	(0.0127)***	0.0637	(0.0119)***
LOG(P12)	-0.0014	(0.0079)	-0.0896	(0.0096)***	0.0555	(0.0058)***	-0.0512	(0.0084)***	0.0382	(0.0101)***	-0.1184	(0.0099)***
LOG(AGE)	0.0490	(0.0255)*	0.1238	(0.0317)***	0.1650	(0.0191)***	-0.0405	(0.0268)	-0.1139	(0.0329)***	-0.2629	(0.0296)***
LOG(HHSIZE)	-0.2909	(0.0143)***	-0.1986	(0.0170)***	-0.0265	(0.0104)**	-0.1671	(0.0144)***	0.0846	(0.0183)***	-0.2179	(0.0157)***
URBAN	0.0513	(0.0140)***	0.0534	(0.0180)***	-0.0756	(0.0108)***	-0.0469	(0.0153)***	-0.0651	(0.0184)***	0.1380	(0.0171)***
EMPLOYED	-0.0073	(0.0182)	0.1170	(0.0228)***	0.0025	(0.0138)	0.0895	(0.0195)***	-0.0424	(0.0237)*	-0.0433	(0.0217)**
MALE	-0.0132	(0.0188)	0.0355	(0.0235)	-0.0263	(0.0142)*	-0.0636	(0.0199)***	-0.0585	(0.0243)**	0.0580	(0.0222)***
MALAY	0.0453	(0.0233)*	0.1602	(0.0298)***	-0.2142	(0.0177)***	0.1381	(0.0250)***	0.1126	(0.0303)***	-0.0351	(0.0277)
CHINESE	0.1492	(0.0254)***	0.3072	(0.0320)***	0.1277	(0.0192)***	-0.2031	(0.0273)***	-0.2785	(0.0330)***	-0.0595	(0.0300)**
INDIAN	0.2061	(0.0348)***	0.0662	(0.0445)	0.2116	(0.0267)***	-0.0445	(0.0379)	0.2858	(0.0456)***	-0.1124	(0.0418)***
PENINSUL	-0.1376	(0.0243)***	0.2852	(0.0313)***	0.0118	(0.0185)	-0.1847	(0.0262)***	-0.3125	(0.0317)***	-0.2364	(0.0290)***
SARAWAK	-0.0347	(0.0264)	0.0668	(0.0341)*	0.1448	(0.0202)***	-0.0387	(0.0286)	-0.3322	(0.0345)***	0.0133	(0.0316)

	R	ice	Bread & o	ther cereals	M	leat	F	ish	Milk	& dairy	E	ggs
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	-0.3828	(0.0905)***	-1.9676	(0.0960)***	-4.0441	(0.1035)***	-0.5334	(0.0849)***	-4.9978	(0.1351)***	-2.8049	(0.1148)***
LOG(TOTFD)	0.6278	(0.0101)***	0.7539	(0.0100)***	1.1241	(0.0120)***	1.0109	(0.0096)***	0.7628	(0.0152)***	0.6839	(0.0128)***
LOG(P1)	0.0231	(0.0503)	0.4243	(0.0346)***	0.1738	(0.0389)***	-0.2188	(0.0322)***	0.1187	(0.0512)**	0.2640	(0.0432)***
LOG(P2)	-0.0177	(0.0104)*	0.0925	(0.0113)***	0.0041	(0.0122)	-0.0503	(0.0101)***	0.0049	(0.0162)	-0.0236	(0.0137)*
LOG(P3)	0.0890	(0.0210)***	0.2144	(0.0228)***	0.3246	(0.0269)***	-0.1283	(0.0203)***	0.0584	(0.0327)*	0.0621	(0.0274)**
LOG(P4)	-0.1761	(0.0303)***	-0.0538	(0.0327)	0.2639	(0.0352)***	-0.2360	(0.0283)***	0.1156	(0.0469)**	0.1818	(0.0394)***
LOG(P5)	-0.0481	$(0.0085)^{***}$	-0.0544	(0.0095)***	-0.0454	(0.0100)***	-0.0816	(0.0083)***	0.9490	(0.0122)***	-0.0965	(0.0110)***
LOG(P6)	0.1107	(0.0232)***	0.0017	(0.0257)	0.0545	(0.0266)**	0.0367	(0.0225)	-0.1634	(0.0352)***	-0.0904	(0.0279)***
LOG(P7)	-0.0075	(0.0078)	0.0558	(0.0087)***	0.0098	(0.0092)	-0.0319	(0.0076)***	0.0669	(0.0123)***	0.0069	(0.0103)
LOG(P8)	0.0366	(0.0126)***	-0.0659	(0.0138)***	0.0254	(0.0149)*	0.0528	(0.0122)***	0.1332	(0.0195)***	0.0208	(0.0164)
LOG(P9)	-0.0634	(0.0246)**	0.2337	(0.0246)***	-0.1020	(0.0287)***	-0.1674	(0.0233)***	0.3263	(0.0363)***	-0.0538	(0.0313)*
LOG(P10)	-0.0984	(0.0076)***	0.0888	(0.0080)***	0.0215	(0.0087)**	-0.0395	(0.0072)***	0.0813	(0.0117)***	-0.0084	(0.0098)
LOG(P11)	-0.0670	$(0.0084)^{***}$	0.0673	(0.0092)***	-0.0072	(0.0099)	-0.0908	(0.0081)***	-0.0029	(0.0131)	-0.0491	(0.0111)***
LOG(P12)	0.0455	(0.0064)***	-0.1031	(0.0069)***	0.0275	(0.0076)***	0.1034	(0.0062)***	0.0261	(0.0103)**	0.0070	(0.0084)
		& fats		uits		etables		ıgar		hers		erage
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	Coefficient -3.6525	Std Error (0.1064)***	Coefficient -4.1122	Std Error (0.1304)***	Coefficient -2.0136	Std Error (0.0814)***	Coefficient -1.7029	Std Error (0.1128)***	Coefficient -3.4525	Std Error (0.1367)***	Coefficient -4.2019	Std Error (0.1257)***
LOG(TOTFD)	Coefficient -3.6525 0.8714	Std Error (0.1064)*** (0.0121)***	Coefficient -4.1122 1.0816	Std Error (0.1304)*** (0.0145)***	Coefficient -2.0136 1.0353	Std Error (0.0814)*** (0.0092)***	Coefficient -1.7029 0.6792	Std Error (0.1128)*** (0.0124)***	Coefficient -3.4525 1.0497	Std Error (0.1367)*** (0.0155)***	Coefficient -4.2019 0.9228	Std Error (0.1257)*** (0.0136)***
LOG(TOTFD) LOG(P1)	Coefficient -3.6525 0.8714 0.1053	Std Error (0.1064)*** (0.0121)*** (0.0425)**	Coefficient -4.1122 1.0816 0.5518	Std Error (0.1304)*** (0.0145)*** (0.0480)***	Coefficient -2.0136 1.0353 -0.0644	Std Error (0.0814)*** (0.0092)*** (0.0304)**	Coefficient -1.7029 0.6792 0.0635	Std Error (0.1128)*** (0.0124)*** (0.0421)	Coefficient -3.4525 1.0497 0.1574	Std Error (0.1367)*** (0.0155)*** (0.0518)***	Coefficient -4.2019 0.9228 0.4967	Std Error (0.1257)*** (0.0136)*** (0.0457)***
LOG(TOTFD) LOG(P1) LOG(P2)	Coefficient -3.6525 0.8714 0.1053 -0.0355	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0126)***	Coefficient -4.1122 1.0816 0.5518 0.0121	Std Error (0.1304)*** (0.0145)*** (0.0480)*** (0.0156)	Coefficient -2.0136 1.0353 -0.0644 0.0076	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096)	Coefficient -1.7029 0.6792 0.0635 -0.0925	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.0134)***	Coefficient -3.4525 1.0497 0.1574 -0.1179	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)***	Coefficient -4.2019 0.9228 0.4967 0.0598	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)***
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3)	Coefficient -3.6525 0.8714 0.1053 -0.0355 0.1058	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0126)*** (0.0253)***	Coefficient -4.1122 1.0816 0.5518 0.0121 0.2079	Std Error (0.1304)*** (0.0145)*** (0.0480)*** (0.0156) (0.0314)***	Coefficient -2.0136 1.0353 -0.0644 0.0076 -0.1065	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096) (0.0193)***	Coefficient -1.7029 0.6792 0.0635 -0.0925 0.1606	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.0134)*** (0.0267)***	Coefficient -3.4525 1.0497 0.1574 -0.1179 -0.0417	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)*** (0.0324)	Coefficient -4.2019 0.9228 0.4967 0.0598 0.2201	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)*** (0.0299)***
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4)	Coefficient -3.6525 0.8714 0.1053 -0.0355 0.1058 0.2098	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0126)*** (0.0253)*** (0.0367)***	Coefficient -4.1122 1.0816 0.5518 0.0121 0.2079 0.1595	Std Error (0.1304)*** (0.0145)*** (0.0480)*** (0.0156) (0.0314)*** (0.0447)***	Coefficient -2.0136 1.0353 -0.0644 0.0076 -0.1065 0.0492	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096) (0.0193)*** (0.0276)*	Coefficient -1.7029 0.6792 0.0635 -0.0925 0.1606 -0.2905	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.0134)*** (0.0267)*** (0.0387)***	Coefficient -3.4525 1.0497 0.1574 -0.1179 -0.0417 -0.2796	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)*** (0.0324) (0.0468)***	Coefficient -4.2019 0.9228 0.4967 0.0598 0.2201 0.2989	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)*** (0.0299)*** (0.0431)***
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5)	Coefficient -3.6525 0.8714 0.1053 -0.0355 0.1058 0.2098 -0.0422	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)***	Coefficient -4.1122 1.0816 0.5518 0.0121 0.2079 0.1595 -0.0608	Std Error (0.1304)*** (0.0145)*** (0.0480)*** (0.0156) (0.0314)*** (0.0447)*** (0.0128)***	Coefficient -2.0136 1.0353 -0.0644 0.0076 -0.1065 0.0492 -0.0169	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096) (0.0193)*** (0.0276)* (0.0079)**	Coefficient -1.7029 0.6792 0.0635 -0.0925 0.1606 -0.2905 -0.0698	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.0134)*** (0.0267)*** (0.0387)*** (0.0110)***	Coefficient -3.4525 1.0497 0.1574 -0.1179 -0.0417 -0.2796 -0.0946	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)*** (0.0324) (0.0468)*** (0.0133)***	Coefficient -4.2019 0.9228 0.4967 0.0598 0.2201 0.2989 -0.0840	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)*** (0.0299)*** (0.0431)*** (0.0123)***
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6)	Coefficient -3.6525 0.8714 0.1053 -0.0355 0.1058 0.2098 -0.0422 -0.0299	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)*** (0.0284)	Coefficient -4.1122 1.0816 0.5518 0.0121 0.2079 0.1595 -0.0608 0.0079	Std Error (0.1304)*** (0.0145)*** (0.0480)*** (0.0156) (0.0314)*** (0.0447)*** (0.0128)*** (0.0344)	Coefficient -2.0136 1.0353 -0.0644 0.0076 -0.1065 0.0492 -0.0169 -0.0101	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096) (0.0193)*** (0.0276)* (0.0079)** (0.0214)	Coefficient -1.7029 0.6792 0.0635 -0.0925 0.1606 -0.2905 -0.0698 0.0360	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.0134)*** (0.0267)*** (0.0387)*** (0.0110)*** (0.0301)	Coefficient -3.4525 1.0497 0.1574 -0.1179 -0.0417 -0.2796 -0.0946 0.0062	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)*** (0.0324) (0.0468)*** (0.0133)*** (0.0356)	Coefficient -4.2019 0.9228 0.4967 0.0598 0.2201 0.2989 -0.0840 0.0449	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)*** (0.0299)*** (0.0431)*** (0.0123)*** (0.0333)
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7)	Coefficient -3.6525 0.8714 0.1053 -0.0355 0.1058 0.2098 -0.0422 -0.0299 -0.0610	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)*** (0.0284) (0.0114)***	Coefficient -4.1122 1.0816 0.5518 0.0121 0.2079 0.1595 -0.0608 0.0079 0.0862	Std Error (0.1304)*** (0.0145)*** (0.0480)*** (0.0156) (0.0314)*** (0.0447)*** (0.0128)*** (0.0344) (0.0118)***	Coefficient -2.0136 1.0353 -0.0644 0.0076 -0.1065 0.0492 -0.0169 -0.0101 -0.0299	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096) (0.0193)*** (0.0276)* (0.0079)** (0.0214) (0.0072)***	Coefficient -1.7029 0.6792 0.0635 -0.0925 0.1606 -0.2905 -0.0698 0.0360 -0.0034	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.0134)*** (0.0267)*** (0.0387)*** (0.0110)*** (0.0301) (0.0101)	Coefficient -3.4525 1.0497 0.1574 -0.1179 -0.0417 -0.2796 -0.0946 0.0062 0.0133	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)*** (0.0324) (0.0468)*** (0.0133)*** (0.0356) (0.0122)	Coefficient -4.2019 0.9228 0.4967 0.0598 0.2201 0.2989 -0.0840 0.0449 0.0179	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)*** (0.0299)*** (0.0431)*** (0.0123)*** (0.0333) (0.0114)
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8)	Coefficient -3.6525 0.8714 0.1053 -0.0355 0.1058 0.2098 -0.0422 -0.0299 -0.0610 0.0752	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)*** (0.0284) (0.0151)***	Coefficient -4.1122 1.0816 0.5518 0.0121 0.2079 0.1595 -0.0608 0.0079 0.0862 -0.4174	Std Error (0.1304)*** (0.0145)*** (0.0480)*** (0.0156) (0.0314)*** (0.0447)*** (0.0128)*** (0.0344) (0.0118)*** (0.0193)***	Coefficient -2.0136 1.0353 -0.0644 0.0076 -0.1065 0.0492 -0.0169 -0.0101 -0.0299 -0.0031	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096) (0.0193)*** (0.0276)* (0.0079)** (0.0214) (0.0072)*** (0.0116)	Coefficient -1.7029 0.6792 0.0635 -0.0925 0.1606 -0.2905 -0.0698 0.0360 -0.0034 -0.0090	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.0134)*** (0.0267)*** (0.0387)*** (0.0110)*** (0.0301) (0.0101)	Coefficient -3.4525 1.0497 0.1574 -0.1179 -0.0417 -0.2796 -0.0946 0.0062 0.0133 0.0763	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)*** (0.0324) (0.0468)*** (0.0133)*** (0.0356) (0.0122) (0.0195)***	Coefficient -4.2019 0.9228 0.4967 0.0598 0.2201 0.2989 -0.0840 0.0449 0.0179 0.0367	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)*** (0.0299)*** (0.0431)*** (0.0123)*** (0.0333) (0.0114) (0.0181)**
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8) LOG(P9)	Coefficient -3.6525 0.8714 0.1053 -0.0355 0.1058 0.2098 -0.0422 -0.0299 -0.0610 0.0752 0.1454	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)*** (0.0284) (0.0151)*** (0.0296)***	Coefficient -4.1122 1.0816 0.5518 0.0121 0.2079 0.1595 -0.0608 0.0079 0.0862 -0.4174 0.2296	Std Error (0.1304)*** (0.0145)*** (0.0480)*** (0.0156) (0.0314)*** (0.0447)*** (0.0128)*** (0.0344) (0.0118)*** (0.0133)***	Coefficient -2.0136 1.0353 -0.0644 0.0076 -0.1065 0.0492 -0.0169 -0.0101 -0.0299 -0.0031 -0.1911	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096) (0.0193)*** (0.0276)* (0.0079)** (0.0214) (0.0072)*** (0.0116) (0.0208)***	Coefficient -1.7029 0.6792 0.0635 -0.0925 0.1606 -0.2905 -0.0698 0.0360 -0.0034 -0.0090 0.1458	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.034)*** (0.0267)*** (0.0387)*** (0.0301) (0.0301) (0.0101) (0.0265)***	Coefficient -3.4525 1.0497 0.1574 -0.1179 -0.0417 -0.2796 -0.0946 0.0062 0.0133 0.0763 0.0860	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)*** (0.0324) (0.0468)*** (0.0133)*** (0.0356) (0.0122) (0.0370)**	Coefficient -4.2019 0.9228 0.4967 0.0598 0.2201 0.2989 -0.0840 0.0449 0.0179 0.0367 0.2367	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)*** (0.0299)*** (0.0431)*** (0.0123)*** (0.0133) (0.0114) (0.0181)*** (0.0319)***
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8) LOG(P9) LOG(P10)	Coefficient -3.6525 0.8714 0.1053 -0.0355 0.1058 0.2098 -0.0422 -0.0299 -0.0610 0.0752 0.1454 -0.0107	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0253)*** (0.0367)*** (0.0101)*** (0.0114)*** (0.0151)*** (0.0296)***	Coefficient -4.1122 1.0816 0.5518 0.0121 0.2079 0.1595 -0.0608 0.0079 0.0862 -0.4174 0.2296 0.1233	$\begin{array}{c} \text{Std Error} \\ (0.1304)^{***} \\ (0.0145)^{***} \\ (0.0480)^{***} \\ (0.0156) \\ (0.0314)^{***} \\ (0.0447)^{***} \\ (0.0128)^{***} \\ (0.0344) \\ (0.0118)^{***} \\ (0.0193)^{***} \\ (0.0343)^{***} \\ (0.0111)^{***} \end{array}$	Coefficient -2.0136 1.0353 -0.0644 0.0076 -0.1065 0.0492 -0.0169 -0.0101 -0.0299 -0.0031 -0.1911 -0.0195	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096) (0.0193)*** (0.0276)* (0.0079)*** (0.0214) (0.0116) (0.0208)*** (0.0208)***	Coefficient -1.7029 0.6792 0.0635 -0.0925 0.1606 -0.2905 -0.0698 0.0360 -0.0034 -0.0090 0.1458 0.1162	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.0134)*** (0.0267)*** (0.0387)*** (0.0110)*** (0.0301) (0.0101) (0.0162) (0.0295)*** (0.0104)***	Coefficient -3.4525 1.0497 0.1574 -0.1179 -0.0417 -0.2796 -0.0946 0.0062 0.0133 0.0763 0.0860 -0.0332	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)*** (0.0324) (0.0468)*** (0.0356) (0.0122) (0.0370)** (0.0370)**	Coefficient -4.2019 0.9228 0.4967 0.0598 0.2201 0.2989 -0.0840 0.0449 0.0179 0.0367 0.2367 0.0479	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)*** (0.0299)*** (0.0431)*** (0.0123)*** (0.0333) (0.0114) (0.0181)*** (0.0319)***
LOG(TOTFD) LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8) LOG(P9)	Coefficient -3.6525 0.8714 0.1053 -0.0355 0.1058 0.2098 -0.0422 -0.0299 -0.0610 0.0752 0.1454	Std Error (0.1064)*** (0.0121)*** (0.0425)** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)*** (0.0284) (0.0151)*** (0.0296)***	Coefficient -4.1122 1.0816 0.5518 0.0121 0.2079 0.1595 -0.0608 0.0079 0.0862 -0.4174 0.2296	Std Error (0.1304)*** (0.0145)*** (0.0480)*** (0.0156) (0.0314)*** (0.0447)*** (0.0128)*** (0.0344) (0.0118)*** (0.0133)***	Coefficient -2.0136 1.0353 -0.0644 0.0076 -0.1065 0.0492 -0.0169 -0.0101 -0.0299 -0.0031 -0.1911	Std Error (0.0814)*** (0.0092)*** (0.0304)** (0.0096) (0.0193)*** (0.0276)* (0.0079)** (0.0214) (0.0072)*** (0.0116) (0.0208)***	Coefficient -1.7029 0.6792 0.0635 -0.0925 0.1606 -0.2905 -0.0698 0.0360 -0.0034 -0.0090 0.1458	Std Error (0.1128)*** (0.0124)*** (0.0421) (0.034)*** (0.0267)*** (0.0387)*** (0.0301) (0.0301) (0.0101) (0.0265)***	Coefficient -3.4525 1.0497 0.1574 -0.1179 -0.0417 -0.2796 -0.0946 0.0062 0.0133 0.0763 0.0860	Std Error (0.1367)*** (0.0155)*** (0.0518)*** (0.0162)*** (0.0324) (0.0468)*** (0.0133)*** (0.0356) (0.0122) (0.0370)**	Coefficient -4.2019 0.9228 0.4967 0.0598 0.2201 0.2989 -0.0840 0.0449 0.0179 0.0367 0.2367	Std Error (0.1257)*** (0.0136)*** (0.0457)*** (0.0149)*** (0.0299)*** (0.0431)*** (0.0123)*** (0.0133) (0.0114) (0.0181)*** (0.0319)***

Appendix 4: The parameter estimates of the Linear Expenditure System without demographic variables, Malaysia, 2004/2005.

		lice		other cereals		leat		ish		& dairy	E	Eggs
	Coefficien		Coefficien		Coefficien		Coefficien	-	Coefficien		Coefficien	
	t	Std Error	t	Std Error	t	Std Error	t	Std Error	t	Std Error	t	Std Error
		(0.2377)**				(0.3091)**		(0.2383)**		(0.3836)**		
С	0.6883	*	-0.2662	(0.1942)	-4.2607	*	-3.2681	*	-3.5459	*	-0.1241	(0.3049)
		(0.0892)**		(0.0603)**		(0.1181)**		(0.0894)**		(0.1426)**		(0.1120)**
LOG(TOTFD)	0.4779	*	0.5316	*	1.3134	*	1.4090	*	0.8776	*	0.4219	*
(LOG(TOTFD))				(0.0070)**				(0.0099)**				
2	0.0024	(0.0098)	0.0218	*	-0.0215	(0.0129)*	-0.0399	*	-0.0169	(0.0157)	0.0138	(0.0124)
				(0.0346)**				(0.0314)**				
LOG(P1)	-0.0891	(0.0477)*	0.3018	*	0.0917	(0.0383)**	-0.1046	*	0.1173	(0.0514)**	0.0554	(0.0420)
	0.0505	(0.0097)**	0 1014	(0.0111)**	0.00(0	(0.0120)**	0.0044		0.0070	(0.01(0))	0.0700	(0.0132)**
LOG(P2)	-0.0525	*	0.1014	*	-0.0368	*	-0.0044	(0.0098)	0.0078	(0.0162)	-0.0723	*
	0.0025	$(0, 0, 1, 0, \epsilon)$	0 1100	(0.0227)** *	0 2754	(0.0263)**	0.0950	(0.0198)** *	0.0246	(0.0227)	0.0515	(0.02(5)*
LOG(P3)	-0.0035	(0.0196) (0.0290)**	0.1190		0.2754		-0.0850	(0.0282)**	0.0346	(0.0327) (0.0479)**	-0.0515	(0.0265)* (0.0391)**
LOG(P4)	-0.1060	(0.0290)***	0.0030	(0.0331)	0.0237	(0.0356)	-0.1269	(0.0282)***	0.1528	(0.0479)*** *	0.1402	(0.0391)***
LOO(F4)	-0.1000	(0.0079)**	0.0030	(0.00331) (0.0093)**	0.0237	(0.0330) (0.0098)**	-0.1209	(0.0081)**	0.1328	(0.0123)**	0.1402	(0.0106)**
LOG(P5)	-0.0297	(0.0077)	-0.0318	(0.0075)	-0.0670	(0.0050)	-0.0694	(0.0001)	0.9646	(0.0125)	-0.0809	(0.0100)
200(15)	0.0277		0.0510		0.0070		0.0071	(0.0218)**	0.9010	(0.0349)**	0.0009	(0.0269)**
LOG(P6)	0.0007	(0.0216)	-0.0006	(0.0252)	0.0099	(0.0261)	0.0978	*	-0.1283	*	-0.1593	*
(-)		(0.0073)**				(0.0090)**		(0.0074)**		(0.0122)**		
LOG(P7)	-0.0234	*	0.0211	(0.0086)**	0.0243	*	-0.0331	*	0.0412	*	-0.0149	(0.0099)
		(0.0117)**		(0.0136)**		(0.0146)**		(0.0119)**		(0.0194)**		
LOG(P8)	0.0454	*	-0.1078	*	0.0653	*	0.0431	*	0.0796	*	0.0202	(0.0159)
				(0.0245)**				(0.0228)**		(0.0363)**		
LOG(P9)	0.0449	(0.0231)*	0.1427	*	-0.0228	(0.0284)	-0.2332	*	0.2144	*	-0.0016	(0.0304)
		(0.0070)**		(0.0079)**				(0.0070)**		(0.0116)**		
LOG(P10)	-0.0756	*	0.0632	*	0.0172	(0.0086)**	-0.0333	*	0.0573	*	-0.0143	(0.0095)
		(0.0078)**		(0.0090)**		(0.0097)**		(0.0079)**				(0.0107)**
LOG(P11)	-0.0452	*	0.0618	*	-0.0353	*	-0.0811	*	-0.0077	(0.0130)	-0.0474	*
	0.0210	(0.0061)**	0 1057	(0.0069)** *	0.000	(0.0075)**	0.0050	(0.0061)**	0.0207	(0.0103)**	0.0064	(0,0002)
LOG(P12)	0.0310	*	-0.1057		0.0296	*	0.0859	*	0.0306	*	0.0064	(0.0082)
	0 1450	(0.0200)** *	0 1670	(0.0225)**	0.0405	(0.0 25 0)**	0.2541	(0.0202)** *	0.2462	(0.0328)** *	0 1100	(0.0265)**
LOG(AGE)	0.1450		-0.1670		0.0495	$(0.0250)^{**}$	0.2541		-0.3462		-0.1189	
LOG(HHSIZE)	-0.3266	(0.0110)**	-0.2140	(0.0120)**	0.1080	(0.0140)**	0.0898	(0.0110)**	-0.1849	(0.0185)**	-0.3493	(0.0146)**

Appendix 5: The parameter estimates of the Quadratic Expenditure System with demographic variables, Malaysia, 2004/2005.

		*		*		*		*		*		*
		(0.0111)**		(0.0131)**		(0.0139)**		(0.0113)**		(0.0184)**		I
URBAN	-0.1146	*	0.0857	*	0.0747	*	-0.0348	*	0.1122	*	0.0330	(0.0148)**
										(0.0237)**		ľ
EMPLOYED	0.0318	(0.0143)**	-0.0133	(0.0165)	0.0174	(0.0179)	-0.0146	(0.0146)	-0.0720	*	-0.0318	(0.0191)*
MALE	0.0331	(0.0147)**	-0.0431	(0.0169)**	0.0186	(0.0184)	0.0380	(0.0150)**	0.0270	(0.0244)	0.0040	(0.0195)
		(0.0183)**		(0.0215)**		(0.0230)**		(0.0187)**				ŗ
MALAY	-0.1157	*	0.1772	*	-0.0749	*	0.1287	*	0.0174	(0.0307)	-0.0583	(0.0243)**
		(0.0200)**				(0.0246)**				(0.0333)**		ľ
CHINESE	-0.1740	*	0.0401	(0.0232)*	0.2349	*	0.0157	(0.0203)	-0.1030	*	-0.0272	(0.0265)
		(0.0275)**		(0.0322)**						(0.0445)**		(0.0366)**
INDIAN	-0.0858	*	-0.0939	*	-0.0573	(0.0343)*	0.0316	(0.0281)	0.1561	*	-0.1134	*
		(0.0191)**				(0.0241)**		(0.0195)**		(0.0318)**		(0.0257)**
PENINSUL	-0.4293	*	-0.0122	(0.0225)	0.0659	*	0.1974	*	0.0994	*	-0.3448	*
		(0.0209)**		(0.0247)**		(0.0259)**		(0.0213)**		(0.0351)**		
SARAWAK	-0.1124	*	-0.1348	*	0.3433	*	-0.0709	*	-0.1088	*	-0.0666	(0.0278)**
		1 . 11	states C 1 C	a while a Ford	1	100						

		& fats		ruits		etables	Su	ıgar		hers		erage
	Coefficien		Coefficien		Coefficien		Coefficien		Coefficien		Coefficien	
	t	Std Error	t	Std Error	t	Std Error	t	Std Error	t	Std Error	t	Std Error
		(0.3211)**				(0.2313)**		(0.2879)**		(0.4068)**		(0.3154)**
С	-2.3323	*	-2.7316	(0.3553)**	-2.1761	*	-0.8590	*	-3.1547	*	-1.3585	*
		(0.1229)**		(0.1311)**		(0.0876)**		(0.1025)**		(0.1550)**		(0.1140)**
LOG(TOTFD)	0.7584	*	0.4697	*	1.2295	*	0.3959	*	0.8113	*	0.5844	*
(LOG(TOTFD))				(0.0146)**		(0.0097)**		(0.0115)**				
2	-0.0050	(0.0134)	0.0570	*	-0.0294	*	0.0310	*	0.0387	(0.0170)**	0.0318	(0.0128)**
				(0.0483)**		(0.0296)**				(0.0517)**		(0.0460)**
LOG(P1)	0.0127	(0.0423)	0.4755	*	-0.1168	*	-0.0224	(0.0423)	0.2426	*	0.2947	*
		(0.0125)**				(0.0094)**		(0.0133)**				
LOG(P2)	-0.0620	*	0.0160	(0.0155)	-0.0296	*	-0.0780	*	-0.0801	(0.0161)	0.0196	(0.0147)
				(0.0314)**		(0.0188)**		(0.0267)**				(0.0299)**
LOG(P3)	0.0483	(0.0251)*	0.1358	*	-0.1191	*	0.1234	*	-0.0044	(0.0323)	0.1222	*
		(0.0374)**				(0.0275)**		(0.0395)**				(0.0437)**
LOG(P4)	0.1341	*	0.1068	(0.0456)**	-0.1358	*	-0.1095	*	-0.0913	(0.0477)*	0.2399	*
		(0.0100)**		(0.0127)**		(0.0077)**		(0.0109)**		(0.0132)**		(0.0121)**
LOG(P5)	-0.0281	*	-0.0374	*	-0.0277	*	-0.0481	*	-0.0955	*	-0.0798	*
LOG(P6)	-0.0673	(0.0281)**	0.0404	(0.0340)	-0.0415	(0.0207)**	-0.0034	(0.0297)	0.0213	(0.0353)	-0.0329	(0.0329)
	0 0 7 0 ć	(0.0112)**		(0.0117)**		(0.0070)**	.					(0.044 0)
LOG(P7)	-0.0596	*	0.0515	*	-0.0262	*	-0.0185	(0.0100)*	0.0208	(0.0121)*	0.0009	(0.0113)
	0.0540	(0.0150)**		(0.0191)**					0.0570	(0.0194)**		
LOG(P8)	0.0569	*	-0.4598	*	0.0032	(0.0113)	-0.0208	(0.0160)	0.0659	*	0.0326	(0.0179)*
	0.1050	(0.0295)**	0 1150	(0.0343)**	0.1617	(0.0202)**	0 1 4 2 1	(0.0294)**	0.0705	(0.0270)*	0 0 4 4 1	(0.0318)**
LOG(P9)	0.1259	*	0.1150	*	-0.1617	*	0.1431	*	0.0705	(0.0370)*	0.2441	-
	0.0100		0.0046	(0.0110)**	0.0101	(0.0066)**	0.1000	(0.0103)**	0.0102	(0.011 5).tk	0.000	(0.0107)**
LOG(P10)	-0.0192	(0.0094)**	0.0946	*	-0.0181	*	0.1298	*	-0.0193	(0.0117)*	0.0336	-
	0.0440	(0.0102)**	0.01.50	(0.0105)	0.10(1	(0.0075)**	0.000 <i>5</i>	(0.010)	0.0046	(0.0127)**	0.0(00	(0.0119)**
LOG(P11)	-0.0410	*	0.0153	(0.0125)	-0.1361	*	0.0085	(0.0106)	0.3846	*	0.0629	
	0.0010		0.0005	(0.0096)**	0.0550	(0.0058)**	0.0500	(0.0084)**	0.0050	(0.0101)**	0.1100	(0.0099)** *
LOG(P12)	-0.0013	(0.0079)	-0.0907	*	0.0559	*	-0.0520	*	0.0378	*	-0.1182	-
	0.0400	(0, 0, 0, 5, 5)t.	0.1001	(0.0317)**	0.1660	(0.0191)**	0.0405		0.11.16	(0.0329)**	0.0405	(0.0295)**
LOG(AGE)	0.0492	(0.0255)*	0.1224	*	0.1660	*	-0.0425	(0.0268)	-0.1146	*	-0.2637	
	0.0017	(0.0143)**	0.1011	(0.0171)**	0.000	(0.0105)**	0.1.(05	(0.0145)**	0.0050	(0.0183)**	0.0100	(0.0159)**
LOG(HHSIZE)	-0.2911	*	-0.1911	*	-0.0290	*	-0.1625	*	0.0870	*	-0.2123	*

		(0.0140)**		(0.0180)**		(0.0108)**		(0.0153)**		(0.0184)**		(0.0171)**
URBAN	0.0513	*	0.0521	*	-0.0749	*	-0.0481	*	-0.0658	*	0.1373	*
				(0.0228)**				(0.0195)**				,
EMPLOYED	-0.0073	(0.0182)	0.1182	*	0.0022	(0.0138)	0.0899	*	-0.0418	(0.0237)*	-0.0422	(0.0217)*
								(0.0199)**				(0.0222)**
MALE	-0.0135	(0.0188)	0.0357	(0.0235)	-0.0271	(0.0142)*	-0.0636	*	-0.0575	(0.0243))**	0.0576	*
				(0.0298)**		(0.0177)**		(0.0250)**		(0.0303)**		,
MALAY	0.0451	(0.0233)*	0.1614	*	-0.2152	*	0.1389	*	0.1137	*	-0.0345	(0.0277)
		(0.0254)**		(0.0320)**		(0.0192)**		(0.0273)**		(0.0330)**		,
CHINESE	0.1491	*	0.3072	*	0.1270	*	-0.2030	*	-0.2780	*	-0.0598	(0.0300)**
		(0.0348)**				(0.0267)**				(0.0456)**		(0.0418)**
INDIAN	0.2059	*	0.0667	(0.0444)	0.2106	*	-0.0435	(0.0379)	0.2870	*	-0.1123	*
		(0.0243)**		(0.0313)**				(0.0262)**		(0.0317)**		(0.0290)**
PENINSUL	-0.1378	*	0.2871	*	0.0109	(0.0185)	-0.1834	*	-0.3108	*	-0.2353	*
						(0.0202)**				(0.0345)**		
SARAWAK	-0.0349	(0.0264)	0.0686	(0.0340)**	0.1438	*	-0.0379	(0.0286)	-0.3305	*	0.0138	(0.0316)

^	R	ice	Bread & o	ther cereals	M	eat	F	ish	Milk	& dairy	E	ggs
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	0.3417	(0.2407)	-1.0067	(0.1726)**	-4.6024	(0.2972)**	-1.7021	(0.2307)***	-5.0767	(0.3622)***	-1.5928	(0.2954)***
LOG(TOTFD)	0.3140	(0.0971)***	0.3491	(0.0613)***	1.3669	(0.1217)***	1.5138	(0.0928)***	0.7966	(0.1450)***	0.1648	(0.1173)
$(LOG(TOTFD))^2$	0.0346	(0.0107)***	0.0472	(0.0070)***	-0.0266	(0.0133)**	-0.0557	(0.0102)***	-0.0037	(0.0159)	0.0574	(0.0129)***
LOG(P1)	0.0203	(0.0503)	0.3944	(0.0348)***	0.1796	(0.0390)***	-0.2042	(0.0323)***	0.1197	(0.0514)**	0.2450	(0.0433)***
LOG(P2)	-0.0182	(0.0104)*	0.0907	(0.0113)***	0.0044	(0.0122)	-0.0496	(0.0101)***	0.0050	(0.0162)	-0.0249	(0.0137)*
LOG(P3)	0.0831	(0.0210)***	0.1993	(0.0229)***	0.3259	(0.0270)***	-0.1182	(0.0204)***	0.0591	(0.0328)*	0.0503	(0.0275)*
LOG(P4)	-0.1773	(0.0303)***	-0.0664	(0.0327)**	0.2639	(0.0352)***	-0.2326	(0.0282)***	0.1158	(0.0469)**	0.1789	(0.0394)***
LOG(P5)	-0.0477	(0.0085)***	-0.0537	(0.0095)***	-0.0457	(0.0100)***	-0.0826	(0.0083)***	0.9488	(0.0122)***	-0.0956	(0.0110)***
LOG(P6)	0.1105	(0.0232)***	-0.0011	(0.0257)	0.0546	(0.0266)**	0.0373	(0.0225)*	-0.1633	(0.0352)***	-0.0882	(0.0279)***
LOG(P7)	-0.0087	(0.0078)	0.0538	(0.0087)***	0.0106	(0.0092)	-0.0302	(0.0076)***	0.0670	(0.0123)***	0.0054	(0.0103)
LOG(P8)	0.0353	(0.0126)***	-0.0685	(0.0138)***	0.0263	(0.0149)*	0.0547	(0.0122)***	0.1333	(0.0195)***	0.0190	(0.0164)
LOG(P9)	-0.0661	(0.0247)***	0.2223	(0.0247)***	-0.1000	(0.0287)***	-0.1634	(0.0233)***	0.3266	(0.0363)***	-0.0600	(0.0313)*
LOG(P10)	-0.0985	(0.0076)***	0.0854	(0.0080)***	0.0217	(0.0087)**	-0.0388	(0.0072)***	0.0813	(0.0117)***	-0.0096	(0.0098)
LOG(P11)	-0.0680	(0.0084)***	0.0654	(0.0092)***	-0.0064	(0.0099)	-0.0890	(0.0081)***	-0.0028	(0.0131)	-0.0507	(0.0111)***
LOG(P12)	0.0450	(0.0064)***	-0.1068	(0.0069)***	0.0280	(0.0076)***	0.1048	$(0.0062)^{***}$	0.0262	(0.0103)**	0.0058	(0.0084)
= = = (= ==)		· · · · ·		(/		(/		· · · · ·				(0.000.)
	Oils	& fats	Fr	uits	Vege	tables	Su	ıgar	Ot	hers	Bev	erage
	Oils Coefficient	& fats Std Error	Fr Coefficient	uits Std Error	Vege Coefficient	tables Std Error	Su Coefficient	ıgar Std Error	Ot Coefficient	hers Std Error	Bev Coefficient	erage Std Error
C	Oils Coefficient -3.3386	& fats Std Error (0.3072)***	Fr Coefficient -2.6416	uits Std Error (0.3355)***	Vege Coefficient -2.4581	Std Error (0.2252)***	Su Coefficient -0.7969	ngar Std Error (0.2686)***	Ot Coefficient -2.6770	hers Std Error (0.3878)***	Bev Coefficient -2.8724	erage Std Error (0.2979)***
C LOG(TOTFD)	Oils Coefficient -3.3386 0.7353	& fats Std Error	Fr Coefficient -2.6416 0.4507	uits <u>Std Error</u> (0.3355)*** (0.1334)***	Vege Coefficient -2.4581 1.2278	tables Std Error (0.2252)*** (0.0913)***	Su Coefficient -0.7969 0.2931	igar Std Error (0.2686)*** (0.1046)***	Ot Coefficient -2.6770 0.7142	hers <u>Std Error</u> (0.3878)*** (0.1578)***	Bev Coefficient -2.8724 0.3547	erage <u>Std Error</u> (0.2979)*** (0.1162)***
C LOG(TOTFD) (LOG(TOTFD)) ²	Oils Coefficient -3.3386 0.7353 0.0149	& fats Std Error (0.3072)*** (0.1256)*** (0.0137)	Fr Coefficient -2.6416 0.4507 0.0703	vits Std Error (0.3355)*** (0.1334)*** (0.0148)***	Vege Coefficient -2.4581 1.2278 -0.0213	tables Std Error (0.2252)*** (0.0913)*** (0.0101)**	Su Coefficient -0.7969 0.2931 0.0433	gar <u>Std Error</u> (0.2686)*** (0.1046)*** (0.0117)***	Ot Coefficient -2.6770 0.7142 0.0370	hers Std Error (0.3878)*** (0.1578)*** (0.0173)**	Bev Coefficient -2.8724 0.3547 0.0638	erage Std Error (0.2979)*** (0.1162)*** (0.0130***
C LOG(TOTFD) (LOG(TOTFD)) ² LOG(P1)	Oils Coefficient -3.3386 0.7353 0.0149 0.1026	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)**	Fr Coefficient -2.6416 0.4507 0.0703 0.5250	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)***	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590	tables <u>Std Error</u> (0.2252)*** (0.0913)*** (0.0101)** (0.0305)*	Su Coefficient -0.7969 0.2931 0.0433 0.0469	gar <u>Std Error</u> (0.2686)*** (0.1046)*** (0.0117)*** (0.0423)	Ot Coefficient -2.6770 0.7142 0.0370 0.1504	hers Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)***	Bev Coefficient -2.8724 0.3547 0.0638 0.4699	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)***
C LOG(TOTFD) (LOG(TOTFD)) ² LOG(P1) LOG(P2)	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)***	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107	uits Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)*** (0.0156)	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078	ttables Std Error (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096)	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931	gar <u>Std Error</u> (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)***	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182	hers Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0162)***	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0149)***
C LOG(TOTFD) (LOG(TOTFD)) ² LOG(P1) LOG(P2) LOG(P3)	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357 0.1037	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)*** (0.0253)***	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107 0.1934	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)*** (0.0156) (0.0315)***	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078 -0.1030	tables <u>Std Error</u> (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096) (0.0194)***	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931 0.1504	Igar Std Error (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)*** (0.0268)***	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182 -0.0472	hers Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0162)*** (0.0325)	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583 0.2038	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0149)*** (0.0300)***
C $LOG(TOTFD)$ $(LOG(TOTFD))^{2}$ $LOG(P1)$ $LOG(P2)$ $LOG(P3)$ $LOG(P4)$	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357 0.1037 0.2097	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)*** (0.0253)*** (0.0367)***	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107 0.1934 0.1537	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)*** (0.0156) (0.0315)*** (0.0447)***	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078 -0.1030 0.0499	tables Std Error (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096) (0.0194)*** (0.0276)*	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931 0.1504 -0.2957	gar <u>Std Error</u> (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)*** (0.0268)*** (0.0388)***	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182 -0.0472 -0.2810	hers Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0162)*** (0.0325) (0.0468)***	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583 0.2038 0.2038 0.2929	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0460)*** (0.0149)*** (0.0300)*** (0.0431)***
C $LOG(TOTFD)$ $(LOG(TOTFD))^{2}$ $LOG(P1)$ $LOG(P2)$ $LOG(P3)$ $LOG(P4)$ $LOG(P5)$	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357 0.1037 0.2097 -0.0419	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)***	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107 0.1934 0.1537 -0.0592	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)*** (0.0156) (0.0315)*** (0.0447)*** (0.0128)***	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078 -0.1030 0.0499 -0.0173	ttables Std Error (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096) (0.0194)*** (0.0276)* (0.0079)**	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931 0.1504 -0.2957 -0.0691	Std Error (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)*** (0.0268)*** (0.0388)*** (0.0110)***	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182 -0.0472 -0.2810 -0.0940	hers Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0162)*** (0.0325) (0.0468)*** (0.0133)***	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583 0.2038 0.2038 0.2929 -0.0829	erage <u>Std Error</u> (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0149)*** (0.0300)*** (0.0431)*** (0.0123)***
C $LOG(TOTFD)$ $(LOG(TOTFD))^{2}$ $LOG(P1)$ $LOG(P2)$ $LOG(P3)$ $LOG(P4)$ $LOG(P5)$ $LOG(P6)$	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357 0.1037 0.2097 -0.0419 -0.0297	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)*** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)*** (0.0284)	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107 0.1934 0.1537 -0.0592 0.0064	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)*** (0.0156) (0.0315)*** (0.0447)*** (0.0128)*** (0.0344)	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078 -0.1030 0.0499 -0.0173 -0.0100	Std Error (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096) (0.0194)*** (0.0276)* (0.0079)** (0.0214)	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931 0.1504 -0.2957 -0.0691 0.0346	Std Error (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)*** (0.0268)*** (0.0388)*** (0.0110)*** (0.0301)	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182 -0.0472 -0.2810 -0.0940 0.0063	hers Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0325) (0.0468)*** (0.0133)*** (0.0356)	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583 0.2038 0.2929 -0.0829 0.0421	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0460)*** (0.0149)*** (0.0300)*** (0.0431)*** (0.0123)*** (0.0333)
$\begin{array}{c} C\\ LOG(TOTFD)\\ (LOG(TOTFD))^2\\ LOG(P1)\\ LOG(P2)\\ LOG(P3)\\ LOG(P4)\\ LOG(P5)\\ LOG(P6)\\ LOG(P7) \end{array}$	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357 0.1037 0.2097 -0.0419 -0.0297 -0.0610	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)*** (0.0284) (0.0114)***	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107 0.1934 0.1537 -0.0592 0.0064 0.0836	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)*** (0.0156) (0.0315)*** (0.0447)*** (0.0128)*** (0.0344) (0.0118)***	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078 -0.1030 0.0499 -0.0173 -0.0100 -0.0292	Std Error (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096) (0.0194)*** (0.0276)* (0.0079)** (0.0214) (0.0072)***	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931 0.1504 -0.2957 -0.0691 0.0346 -0.0053	Std Error (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)*** (0.0268)*** (0.0388)*** (0.0110)*** (0.0301) (0.0101)	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182 -0.0472 -0.2810 -0.0940 0.0063 0.0123	hers Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0325) (0.0468)*** (0.0133)*** (0.0356) (0.0122)	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583 0.2038 0.2038 0.2929 -0.0829 0.0421 0.0151	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0460)*** (0.0300)*** (0.0431)*** (0.0123)*** (0.0333) (0.0114)
$\begin{array}{c} C\\ LOG(TOTFD)\\ (LOG(TOTFD))^2\\ LOG(P1)\\ LOG(P2)\\ LOG(P3)\\ LOG(P3)\\ LOG(P4)\\ LOG(P5)\\ LOG(P6)\\ LOG(P6)\\ LOG(P7)\\ LOG(P8) \end{array}$	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357 0.1037 0.2097 -0.0419 -0.0297 -0.0610 0.0748	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)*** (0.0253)*** (0.0367)*** (0.0101)*** (0.0284) (0.0114)*** (0.0151)***	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107 0.1934 0.1537 -0.0592 0.0064 0.0836 -0.4160	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)*** (0.0156) (0.0315)*** (0.0447)*** (0.0128)*** (0.0344) (0.018)***	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078 -0.1030 0.0499 -0.0173 -0.0100 -0.0292 -0.0025	Std Error (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096) (0.0194)*** (0.0276)* (0.0079)** (0.0214) (0.0072)*** (0.0116)	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931 0.1504 -0.2957 -0.0691 0.0346 -0.0053 -0.0106	gar Std Error (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)*** (0.0268)*** (0.0388)*** (0.0301) (0.0101) (0.0162)	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182 -0.0472 -0.2810 -0.0940 0.0063 0.0123 0.0752	hers Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0162)*** (0.0325) (0.0468)*** (0.0133)*** (0.0356) (0.0122) (0.0195)***	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583 0.2038 0.2038 0.2929 -0.0829 0.0421 0.0151 0.0337	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0460)*** (0.0149)*** (0.0300)*** (0.0431)*** (0.0123)*** (0.0333) (0.0114) (0.0180)*
$\begin{array}{c} C\\ LOG(TOTFD)\\ (LOG(TOTFD))^2\\ LOG(P1)\\ LOG(P2)\\ LOG(P3)\\ LOG(P3)\\ LOG(P4)\\ LOG(P5)\\ LOG(P6)\\ LOG(P6)\\ LOG(P7)\\ LOG(P8)\\ LOG(P9) \end{array}$	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357 0.1037 0.2097 -0.0419 -0.0297 -0.0610 0.0748 0.1448	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)*** (0.0253)*** (0.0253)*** (0.0101)*** (0.0284) (0.0114)*** (0.0151)*** (0.0297)***	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107 0.1934 0.1537 -0.0592 0.0064 0.0836 -0.4160 0.2215	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)*** (0.0156) (0.0315)*** (0.0447)*** (0.0128)*** (0.0344) (0.0118)*** (0.0343)***	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078 -0.1030 0.0499 -0.0173 -0.0100 -0.0292 -0.0025 -0.1905	Std Error (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096) (0.0194)*** (0.0276)* (0.0079)** (0.0214) (0.0072)*** (0.0116) (0.0208)***	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931 0.1504 -0.2957 -0.0691 0.0346 -0.0053 -0.0106 0.1400	gar Std Error (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)*** (0.0268)*** (0.0388)*** (0.0301) (0.0101) (0.01025)***	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182 -0.0472 -0.2810 -0.0940 0.0063 0.0123 0.0752 0.0840	Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0325) (0.0468)*** (0.03366) (0.0122) (0.0370)**	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583 0.2038 0.2929 -0.0829 0.0421 0.0151 0.0337 0.2277	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0449)*** (0.0300)*** (0.0431)*** (0.0431)*** (0.0333) (0.0114) (0.0180)* (0.0319)***
$\begin{array}{c} C\\ LOG(TOTFD)\\ (LOG(TOTFD))^2\\ LOG(P1)\\ LOG(P2)\\ LOG(P3)\\ LOG(P3)\\ LOG(P4)\\ LOG(P5)\\ LOG(P6)\\ LOG(P6)\\ LOG(P7)\\ LOG(P8)\\ LOG(P9)\\ LOG(P10) \end{array}$	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357 0.1037 0.2097 -0.0419 -0.0297 -0.0610 0.0748 0.1448 -0.0108	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)*** (0.0253)*** (0.0253)*** (0.0101)*** (0.0284) (0.0114)*** (0.0284) (0.0151)*** (0.0297)*** (0.0094)	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107 0.1934 0.1537 -0.0592 0.0064 0.0836 -0.4160 0.2215 0.1215	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0148)*** (0.0156) (0.0315)*** (0.0447)*** (0.0128)*** (0.0344) (0.018)*** (0.0343)*** (0.0343)***	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078 -0.1030 0.0499 -0.0173 -0.0100 -0.0292 -0.0025 -0.1905 -0.0192	Std Error (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096) (0.0194)*** (0.0276)* (0.0079)** (0.0214) (0.0208)*** (0.0208)***	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931 0.1504 -0.2957 -0.0691 0.0346 -0.0053 -0.0106 0.1400 0.1155	gar Std Error (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)*** (0.0268)*** (0.0388)*** (0.0301) (0.0101) (0.0101) (0.0295)*** (0.0104)***	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182 -0.0472 -0.2810 -0.0940 0.0063 0.0123 0.0752 0.0840 -0.0334	Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0325) (0.0468)*** (0.03366) (0.0122) (0.0370)** (0.0370)**	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583 0.2038 0.2929 -0.0829 0.0421 0.0151 0.0337 0.2277 0.0456	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0460)*** (0.0149)*** (0.0300)*** (0.0431)*** (0.0123)*** (0.0333) (0.0114) (0.0180)* (0.0319)*** (0.0108)***
$\begin{array}{c} C\\ LOG(TOTFD)\\ (LOG(TOTFD))^2\\ LOG(P1)\\ LOG(P2)\\ LOG(P3)\\ LOG(P3)\\ LOG(P4)\\ LOG(P5)\\ LOG(P6)\\ LOG(P6)\\ LOG(P7)\\ LOG(P8)\\ LOG(P9) \end{array}$	Oils Coefficient -3.3386 0.7353 0.0149 0.1026 -0.0357 0.1037 0.2097 -0.0419 -0.0297 -0.0610 0.0748 0.1448	& fats Std Error (0.3072)*** (0.1256)*** (0.0137) (0.0425)** (0.0126)*** (0.0253)*** (0.0253)*** (0.0101)*** (0.0284) (0.0114)*** (0.0151)*** (0.0297)***	Fr Coefficient -2.6416 0.4507 0.0703 0.5250 0.0107 0.1934 0.1537 -0.0592 0.0064 0.0836 -0.4160 0.2215	Std Error (0.3355)*** (0.1334)*** (0.0148)*** (0.0483)*** (0.0156) (0.0315)*** (0.0447)*** (0.0128)*** (0.0344) (0.0118)*** (0.0343)***	Vege Coefficient -2.4581 1.2278 -0.0213 -0.0590 0.0078 -0.1030 0.0499 -0.0173 -0.0100 -0.0292 -0.0025 -0.1905	Std Error (0.2252)*** (0.0913)*** (0.0101)** (0.0305)* (0.0096) (0.0194)*** (0.0276)* (0.0079)** (0.0214) (0.0072)*** (0.0116) (0.0208)***	Su Coefficient -0.7969 0.2931 0.0433 0.0469 -0.0931 0.1504 -0.2957 -0.0691 0.0346 -0.0053 -0.0106 0.1400	gar Std Error (0.2686)*** (0.1046)*** (0.0117)*** (0.0423) (0.0134)*** (0.0268)*** (0.0388)*** (0.0301) (0.0101) (0.01025)***	Ot Coefficient -2.6770 0.7142 0.0370 0.1504 -0.1182 -0.0472 -0.2810 -0.0940 0.0063 0.0123 0.0752 0.0840	Std Error (0.3878)*** (0.1578)*** (0.0173)** (0.0519)*** (0.0325) (0.0468)*** (0.03366) (0.0122) (0.0370)**	Bev Coefficient -2.8724 0.3547 0.0638 0.4699 0.0583 0.2038 0.2929 -0.0829 0.0421 0.0151 0.0337 0.2277	erage Std Error (0.2979)*** (0.1162)*** (0.0130*** (0.0460)*** (0.0449)*** (0.0300)*** (0.0431)*** (0.0431)*** (0.0333) (0.0114) (0.0180)* (0.0319)***

Appendix 6: The parameter estimates of the Quadratic Expenditure System without demographic variables, Malaysia, 2004/2005.

Appendix /:	-					,						
		ice		ther cereals		eat		ish		& dairy		ggs
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	-0.0255	(0.0097)***	0.6146	$(0.0155)^{***}$	-0.0483	(0.0128)***	-0.1185	(0.0148)***	0.1601	(0.0105)***	0.0402	(0.0035)***
LOG(P1)	-0.0951	(0.0029)***	0.0737	(0.0046)***	-0.0085	(0.0038)**	-0.0262	(0.0044)***	-0.0110	(0.0032)***	0.0075	(0.0010)***
LOG(P2)	0.0035	(0.0009)***	0.0035	-	-0.0017	(0.0014)	-0.0033	(0.0016)**	-0.0011	(0.0012)	-0.0008	(0.0004)**
LOG(P3)	0.0244	(0.0021)***	-0.0092	(0.0019)***	-0.0092	-	-0.0096	(0.0031)***	-0.0058	(0.0023)**	0.0010	(0.0007)
LOG(P4)	0.0094	(0.0027)***	-0.0535	(0.0043)***	0.0279	(0.0027)***	0.0279	-	0.0037	(0.0030)	0.0068	(0.0010)***
LOG(P5)	0.0002	(0.0009)	-0.0202	(0.0014)***	-0.0053	(0.0012)***	0.0242	(0.0007)***	0.0242	-	-0.0016	(0.0003)***
LOG(P6)	0.0202	(0.0021)***	-0.0247	(0.0034)***	0.0069	(0.0028)**	0.0383	(0.0032)***	-0.0098	(0.0007)***	-0.0098	-
LOG(P7)	0.0041	(0.0008)***	0.0091	(0.0013)***	-0.0019	(0.0011)*	-0.0108	(0.0013)***	0.0001	(0.0009)	-0.0061	(0.0002)***
LOG(P8)	0.0139	(0.0012)***	-0.0128	(0.0020)***	0.0019	(0.0017)	0.0040	(0.0019)**	-0.0003	(0.0014)	0.0010	(0.0005)**
LOG(P9)	0.0159	(0.0022)***	0.0196	(0.0035)***	-0.0061	(0.0029)**	-0.0307	(0.0033)***	0.0027	(0.0024)	0.0014	(0.0008)*
LOG(P10)	-0.0061	(0.0007)***	0.0133	(0.0011)***	-0.0013	(0.0010)	-0.0102	(0.0011)***	-0.0004	(0.0008)	0.0000	(0.0003)
LOG(P11)	-0.0017	(0.0009)**	0.0123	(0.0014)***	-0.0060	(0.0012)***	-0.0191	(0.0013)***	-0.0006	(0.0010)	-0.0004	(0.0003)
LOG(P12)	0.0113	-	-0.0112	-	0.0032	-	0.0156	-	-0.0017	-	0.0012	-
Expenditure	0.0273	(0.0009)***	-0.0332	(0.0014)***	0.0018	(0.0012)	-0.0064	(0.0014)***	-0.0181	(0.0010)***	0.0025	(0.0003)***
LOG(AGE)	0.0047	(0.0021)**	-0.0534	(0.0034)***	0.0235	(0.0028)***	0.0621	(0.0032)***	-0.0274	(0.0023)***	-0.0055	(0.0008)***
LOG(HHSIZE)	0.0091	(0.0010)***	-0.0503	(0.0017)***	0.0219	(0.0014)***	0.0172	(0.0016)***	0.0107	(0.0011)***	0.0000	(0.0004)
URBAN	-0.0159	(0.0012)***	0.0098	(0.0020)***	0.0073	(0.0017)***	-0.0090	(0.0019)***	0.0065	(0.0014)***	-0.0001	(0.0004)
EMPLOYED	0.0037	(0.0016)**	-0.0157	(0.0025)***	0.0074	(0.0021)***	0.0045	(0.0024)*	-0.0043	(0.0017)**	-0.0007	(0.0006)
MALE	-0.0005	(0.0016)	0.0041	(0.0026)	0.0005	(0.0022)	0.0003	(0.0025)	0.0019	(0.0018)	-0.0008	(0.0006)
MALAY	-0.0179	(0.0020)***	0.0192	(0.0033)***	-0.0068	(0.0027)**	0.0164	(0.0032)***	0.0041	(0.0023)*	-0.0035	(0.0007)***
CHINESE	-0.0370	(0.0021)***	0.0048	(0.0035)	0.0342	(0.0029)***	-0.0122	(0.0033)***	0.0043	(0.0024)*	-0.0063	(0.0008)***
INDIAN	-0.0187	(0.0030)***	-0.0118	(0.0049)**	-0.0101	(0.0041)**	-0.0100	(0.0047)**	0.0188	(0.0034)***	-0.0069	(0.0011)***
PENINSUL	-0.0477	(0.0021)***	-0.0061	(0.0034)*	0.0135	(0.0029)***	0.0417	(0.0033)***	0.0067	(0.0024)***	-0.0062	(0.0008)***
SARAWAK	-0.0223	(0.0023)***	-0.0235	(0.0037)***	0.0575	(0.0031)***	-0.0080	(0.0036)**	0.0022	(0.0026)	-0.0027	(0.0008)***
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Appendix 7: The parameter estimates of the LA/AIDS with demographic variables, Malaysia, 2004/2005.

Appendix 7: (0- fata	P.		17		0-		0.1	h	D	
		& fats		uits		etables		igar		hers	Bever	
~	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error						
С	0.0166	$(0.0040)^{***}$	0.0006	(0.0102)	-0.0175	(0.0085)**	0.0780	(0.0050)***	0.0577	(0.0130)***	0.2419	-
LOG(P1)	-0.0011	(0.0012)	0.0248	$(0.0030)^{***}$	-0.0021	(0.0025)	0.0033	(0.0015)**	0.0102	(0.0039)***	0.0245	-
LOG(P2)	-0.0004	(0.0004)	0.0014	(0.0011)	0.0046	(0.0009)***	-0.0023	(0.0006)***	-0.0062	(0.0014)***	0.0028	-
LOG(P3)	0.0020	(0.0009)**	0.0055	(0.0022)**	-0.0040	(0.0018)**	0.0043	(0.0011)***	-0.0085	(0.0028)***	0.0091	-
LOG(P4)	0.0074	$(0.0011)^{***}$	-0.0080	$(0.0028)^{***}$	0.0047	(0.0024)**	-0.0040	(0.0014)***	-0.0011	(0.0037)	-0.0212	-
LOG(P5)	-0.0010	(0.0004)***	-0.0053	(0.0009)***	0.0059	$(0.0008)^{***}$	-0.0034	(0.0005)***	-0.0061	(0.0012)***	-0.0116	-
LOG(P6)	0.0015	(0.0009)*	-0.0076	(0.0023)***	0.0061	(0.0019))***	-0.0018	(0.0011)	-0.0037	(0.0029)	-0.0157	-
LOG(P7)	-0.0061	-	0.0041	$(0.0008)^{***}$	-0.0013	$(0.0007)^*$	0.0011	$(0.0004)^{***}$	0.0037	(0.0011)***	0.0041	-
LOG(P8)	-0.0045	(0.0005)***	-0.0045	-	0.0005	(0.0011)	0.0004	(0.0006)	-0.0007	(0.0017)	0.0011	-
LOG(P9)	0.0049	(0.0009)***	-0.0117	(0.0014)***	-0.0117	-	0.0058	(0.0011)***	-0.0110	(0.0030)***	0.0210	-
LOG(P10)	-0.0018	(0.0003)***	0.0066	(0.0008)***	-0.0018	(0.0003)***	-0.0018	-	0.0198	(0.0011)***	-0.0162	-
LOG(P11)	-0.0022	(0.0004)***	0.0014	(0.0009)	-0.0108	(0.0007)***	0.0013	(0.0004)***	0.0013	-	0.0245	-
LOG(P12)	0.0013	-	-0.0066	-	0.0098	-	-0.0029	-	0.0023	-	-0.0224	-
Expenditure	0.0035	(0.0004)***	0.0030	(0.0009)***	0.0193	(0.0008)***	-0.0013	(0.0005)***	-0.0068	(0.0012)***	0.0084	-
LOG(AGE)	-0.0004	(0.0009)	0.0152	(0.0022)***	0.0159	(0.0018)***	-0.0069	(0.0011)***	0.0050	(0.0028)*	-0.0328	-
LOG(HHSIZE)	0.0014	(0.0004)***	-0.0112	(0.0011)***	0.0106	(0.0009)***	0.0000	(0.0005)	0.0078	(0.0014)***	-0.0171	-
URBAN	-0.0003	(0.0005)	0.0047	(0.0013)***	-0.0089	(0.0011)***	-0.0003	(0.0006)	-0.0009	(0.0016)	0.0070	-
EMPLOYED	0.0000	(0.0006)	0.0102	(0.0016)***	0.0014	(0.0014)	0.0015	(0.0008)*	-0.0011	(0.0021)	-0.0069	-
MALE	-0.0010	(0.0007)	0.0011	(0.0017)	-0.0068	(0.0014)***	-0.0032	(0.0008)***	-0.0022	(0.0021)	0.0068	-
MALAY	0.0023	(0.0008)***	0.0062	(0.0021)***	-0.0227	(0.0018)***	0.0047	(0.0010)***	-0.0006	(0.0027)	-0.0016	-
CHINESE	0.0023	(0.0009)**	0.0191	(0.0023)***	0.0058	(0.0019)***	-0.0062	(0.0011)***	-0.0092	(0.0029)***	0.0004	-
INDIAN	0.0084	(0.0013)***	0.0000	(0.0032)	0.0186	(0.0027)***	-0.0015	(0.0016)	0.0168	(0.0041)***	-0.0036	-
PENINSUL	-0.0021	(0.0009)**	0.0187	(0.0022)***	0.0045	(0.0019)**	-0.0059	(0.0011)***	-0.0090	(0.0028)***	-0.0079	-
SARAWAK	-0.0019	(0.0010)**	0.0066	(0.0024)***	0.0118	(0.0020)***	-0.0040	(0.0012)***	-0.0202	(0.0031)***	0.0043	-

						<u>.</u>						
		lice		ther cereals		leat		ish		& dairy		ggs
	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error
С	-0.0542	(0.0054)***	0.3498	(0.0083)***	0.0891	(0.0064)***	0.1853	(0.0074)***	0.0965	(0.0054)***	0.0104	(0.0018)***
LOG(P1)	-0.0858	(0.0031)***	0.0843	(0.0048)***	-0.0095	(0.0040)**	-0.0391	(0.0046)***	-0.0132	(0.0032)***	0.0095	(0.0010)***
LOG(P2)	0.0053	$(0.0009)^{***}$	0.0053	-	0.0030	(0.0015)**	-0.0138	(0.0017)***	-0.0025	(0.0012)**	-0.0003	(0.0004)
LOG(P3)	0.0271	(0.0022)***	-0.0076	(0.0019)***	-0.0076	-	-0.0112	(0.0032)***	-0.0096	(0.0023)***	0.0017	(0.0007)**
LOG(P4)	0.0021	(0.0028)	-0.0763	(0.0044)***	0.0380	(0.0027)***	0.0380	-	0.0063	(0.0029)**	0.0051	(0.0010)***
LOG(P5)	0.0023	(0.0009)**	-0.0260	(0.0015)***	-0.0023	(0.0012)*	0.0249	(0.0007)***	0.0249	-	-0.0015	(0.0003)***
LOG(P6)	0.0345	(0.0022)***	-0.0395	(0.0035)***	0.0113	(0.0029)***	0.0410	(0.0033)***	-0.0088	(0.0007)***	-0.0088	-
LOG(P7)	0.0005	(0.0008)	0.0170	(0.0014)***	-0.0056	(0.0011)***	-0.0116	(0.0013)***	-0.0008	(0.0009)	-0.0064	(0.0002)***
LOG(P8)	0.0105	(0.0013)***	-0.0063	(0.0021)***	-0.0061	(0.0017)***	0.0079	(0.0020)***	0.0008	(0.0014)	0.0005	(0.0005)
LOG(P9)	0.0078	(0.0023)***	0.0267	(0.0036)***	-0.0187	(0.0030)***	-0.0180	(0.0034)***	0.0061	(0.0024)**	0.0002	(0.0008)
LOG(P10)	-0.0102	(0.0008)***	0.0200	(0.0012)***	-0.0027	(0.0010)***	-0.0149	(0.0012)***	0.0004	(0.0008)	-0.0001	(0.0003)
LOG(P11)	-0.0050	(0.0009)***	0.0154	(0.0014)***	-0.0029	(0.0012)***	-0.0241	(0.0014)***	0.0002	(0.0010)	-0.0006	(0.0003)*
LOG(P12)	0.0109	-	-0.0131	-	0.0031	-	0.0211	-	-0.0040	-	0.0007	-
Expenditure	0.0301	(0.0009)***	-0.0266	(0.0014)***	0.0005	(0.0012)	-0.0134	(0.0014)***	-0.0223	(0.0010)***	0.0030	(0.0003)***
	o	0.0		•	* *	. 11	a				-	
		& fats		uits	Vege	etables	St	ıgar	Ot	hers		erage
	Oils Coefficient	& fats Std Error	Fr Coefficient	uits Std Error	Vege Coefficient	Std Error	Su Coefficient	igar Std Error	Ot Coefficient	Std Error	Bev Coefficient	erage Std Error
C								0			Coefficient 1.9128	
C LOG(P1)	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	Std Error	Coefficient	
	Coefficient 0.0168	Std Error (0.0021)***	Coefficient 0.0647	Std Error (0.0054)***	Coefficient 0.0194	Std Error (0.0046)***	Coefficient 0.0552	Std Error (0.0027)***	Coefficient 0.0798	Std Error (0.0068)***	Coefficient 1.9128	
LOG(P1)	Coefficient 0.0168 -0.0018	Std Error (0.0021)*** (0.0012)	Coefficient 0.0647 0.0223	Std Error (0.0054)*** (0.0030)***	Coefficient 0.0194 -0.0099	Std Error (0.0046)*** (0.0026)***	Coefficient 0.0552 0.0064	Std Error (0.0027)*** (0.0015)***	Coefficient 0.0798 0.0075	Std Error (0.0068)*** (0.0038)*	Coefficient 1.9128 0.0232	
LOG(P1) LOG(P2)	Coefficient 0.0168 -0.0018 -0.0006	Std Error (0.0021)*** (0.0012) (0.0004)	Coefficient 0.0647 0.0223 0.0018	Std Error (0.0054)*** (0.0030)*** (0.0011)	Coefficient 0.0194 -0.0099 0.0068	Std Error (0.0046)*** (0.0026)*** (0.0009)***	Coefficient 0.0552 0.0064 -0.0030	Std Error (0.0027)*** (0.0015)*** (0.0006)***	Coefficient 0.0798 0.0075 -0.0081	Std Error (0.0068)*** (0.0038)* (0.0014)***	Coefficient 1.9128 0.0232 0.0091	
LOG(P1) LOG(P2) LOG(P3)	Coefficient 0.0168 -0.0018 -0.0006 0.0014	Std Error (0.0021)*** (0.0012) (0.0004) (0.0008)	Coefficient 0.0647 0.0223 0.0018 0.0065	Std Error (0.0054)*** (0.0030)*** (0.0011) (0.0022)***	Coefficient 0.0194 -0.0099 0.0068 -0.0063	Std Error (0.0046)*** (0.0026)*** (0.0009)*** (0.0018)***	Coefficient 0.0552 0.0064 -0.0030 0.0044	Std Error (0.0027)*** (0.0015)*** (0.0006)*** (0.0011)***	Coefficient 0.0798 0.0075 -0.0081 -0.0092	Std Error (0.0068)*** (0.0038)* (0.0014)*** (0.0027)***	Coefficient 1.9128 0.0232 0.0091 0.0059	
LOG(P1) LOG(P2) LOG(P3) LOG(P4)	Coefficient 0.0168 -0.0018 -0.0006 0.0014 0.0081	Std Error (0.0021)*** (0.0012) (0.0004) (0.0008) (0.0011)***	Coefficient 0.0647 0.0223 0.0018 0.0065 -0.0044	Std Error (0.0054)*** (0.0030)*** (0.0011) (0.0022)*** (0.0028)	Coefficient 0.0194 -0.0099 0.0068 -0.0063 0.0182	Std Error (0.0046)*** (0.0026)*** (0.0009)*** (0.0018)*** (0.0024)***	Coefficient 0.0552 0.0064 -0.0030 0.0044 -0.0081	Std Error (0.0027)*** (0.0015)*** (0.0006)*** (0.0011)*** (0.0014)***	Coefficient 0.0798 0.0075 -0.0081 -0.0092 -0.0015	Std Error (0.0068)*** (0.0038)* (0.0014)*** (0.0027)*** (0.0036)	Coefficient 1.9128 0.0232 0.0091 0.0059 -0.0174	
LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5)	Coefficient 0.0168 -0.0018 -0.0006 0.0014 0.0081 -0.0008	Std Error (0.0021)*** (0.0012) (0.0004) (0.0008) (0.0011)*** (0.0004)**	Coefficient 0.0647 0.0223 0.0018 0.0065 -0.0044 -0.0067	Std Error (0.0054)*** (0.0030)*** (0.0011) (0.0022)*** (0.0028) (0.0009)***	Coefficient 0.0194 -0.0099 0.0068 -0.0063 0.0182 0.0075	Std Error (0.0046)*** (0.0026)*** (0.0009)*** (0.0018)*** (0.0024)*** (0.0008)***	Coefficient 0.0552 0.0064 -0.0030 0.0044 -0.0081 -0.0035	Std Error (0.0027)*** (0.0015)*** (0.0006)*** (0.0011)*** (0.0014)*** (0.0005)***	Coefficient 0.0798 0.0075 -0.0081 -0.0092 -0.0015 -0.0053	Std Error (0.0068)*** (0.0038)* (0.0014)*** (0.0027)*** (0.0036) (0.0012)***	Coefficient 1.9128 0.0232 0.0091 0.0059 -0.0174 -0.0099	
LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6)	Coefficient 0.0168 -0.0018 -0.0006 0.0014 0.0081 -0.0008 0.0015	Std Error (0.0021)*** (0.0012) (0.0004) (0.0008) (0.0011)*** (0.0004)**	Coefficient 0.0647 0.0223 0.0018 0.0065 -0.0044 -0.0067 -0.0139	Std Error (0.0054)*** (0.0030)*** (0.0011) (0.0022)*** (0.0028) (0.0009)*** (0.0022)***	Coefficient 0.0194 -0.0099 0.0068 -0.0063 0.0182 0.0075 0.0048	Std Error (0.0046)*** (0.0026)*** (0.0009)*** (0.0018)*** (0.0024)*** (0.0008)*** (0.0019)**	Coefficient 0.0552 0.0064 -0.0030 0.0044 -0.0081 -0.0035 0.0002	Std Error (0.0027)*** (0.0015)*** (0.0006)*** (0.0011)*** (0.0014)*** (0.0005)*** (0.0011)	Coefficient 0.0798 0.0075 -0.0081 -0.0092 -0.0015 -0.0053 -0.0014	Std Error (0.0068)*** (0.0038)* (0.0014)*** (0.0027)*** (0.0036) (0.0012)*** (0.0028)	Coefficient 1.9128 0.0232 0.0091 0.0059 -0.0174 -0.0099 -0.0212	
LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7)	Coefficient 0.0168 -0.0018 -0.0006 0.0014 0.0081 -0.0008 0.0015 -0.0064	Std Error (0.0021)*** (0.0012) (0.0004) (0.0008) (0.0011)*** (0.0004)** (0.0009)*	Coefficient 0.0647 0.0223 0.0018 0.0065 -0.0044 -0.0067 -0.0139 0.0066	Std Error (0.0054)*** (0.0030)*** (0.0011) (0.0022)*** (0.0028) (0.0009)*** (0.0022)***	Coefficient 0.0194 -0.0099 0.0068 -0.0063 0.0182 0.0075 0.0048 -0.0031	Std Error (0.0046)*** (0.0026)*** (0.0009)*** (0.0018)*** (0.0024)*** (0.0008)*** (0.0019)** (0.0007)***	Coefficient 0.0552 0.0064 -0.0030 0.0044 -0.0081 -0.0035 0.0002 0.0010	Std Error (0.0027)*** (0.0015)*** (0.0006)*** (0.0011)*** (0.0014)*** (0.0005)*** (0.0011) (0.0004)**	Coefficient 0.0798 0.0075 -0.0081 -0.0092 -0.0015 -0.0053 -0.0014 0.0027	Std Error (0.0068)*** (0.0038)* (0.0014)*** (0.0027)*** (0.0036) (0.0012)*** (0.0028) (0.0011)***	Coefficient 1.9128 0.0232 0.0091 0.0059 -0.0174 -0.0099 -0.0212 0.0050	
LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8)	Coefficient 0.0168 -0.0018 -0.0006 0.0014 0.0081 -0.0008 0.0015 -0.0064 -0.0041	Std Error (0.0021)*** (0.0012) (0.0004) (0.0008) (0.0011)*** (0.0004)** (0.0009)* - (0.0005)***	Coefficient 0.0647 0.0223 0.0018 0.0065 -0.0044 -0.0067 -0.0139 0.0066 -0.0041	Std Error (0.0054)*** (0.0030)*** (0.0011) (0.0022)*** (0.0028) (0.0009)*** (0.0022)***	Coefficient 0.0194 -0.0099 0.0068 -0.0063 0.0182 0.0075 0.0048 -0.0031 -0.0020	Std Error (0.0046)*** (0.0026)*** (0.0009)*** (0.0018)*** (0.0024)*** (0.0008)*** (0.0019)** (0.0007)***	Coefficient 0.0552 0.0064 -0.0030 0.0044 -0.0081 -0.0035 0.0002 0.0010 0.0010	Std Error (0.0027)*** (0.0015)*** (0.0006)*** (0.0011)*** (0.0014)*** (0.0005)*** (0.0011) (0.0004)** (0.0006)	Coefficient 0.0798 0.0075 -0.0081 -0.0092 -0.0015 -0.0053 -0.0014 0.0027 0.0006	Std Error (0.0068)*** (0.0038)* (0.0014)*** (0.0027)*** (0.0036) (0.0012)*** (0.0028) (0.0011)*** (0.0017)	Coefficient 1.9128 0.0232 0.0091 0.0059 -0.0174 -0.0099 -0.0212 0.0050 0.0002	
LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8) LOG(P9)	Coefficient 0.0168 -0.0018 -0.0006 0.0014 0.0081 -0.0008 0.0015 -0.0064 -0.0041 0.0056	Std Error (0.0021)*** (0.0012) (0.0004) (0.0008) (0.0011)*** (0.0004)** (0.0009)* (0.0005)*** (0.0009)***	Coefficient 0.0647 0.0223 0.0018 0.0065 -0.0044 -0.0067 -0.0139 0.0066 -0.0041 -0.0138	Std Error (0.0054)*** (0.0030)*** (0.0011) (0.0022)*** (0.0028) (0.0009)*** (0.0022)*** (0.0009)*** (0.0009)***	Coefficient 0.0194 -0.0099 0.0068 -0.0063 0.0182 0.0075 0.0048 -0.0031 -0.0020 -0.0138	Std Error (0.0046)*** (0.0026)*** (0.0009)*** (0.0018)*** (0.0024)*** (0.0008)*** (0.0019)** (0.0007)*** (0.0011)*	Coefficient 0.0552 0.0064 -0.0030 0.0044 -0.0081 -0.0035 0.0002 0.0010 0.0010 0.0066	Std Error (0.0027)*** (0.0015)*** (0.0006)*** (0.0011)*** (0.0014)*** (0.0005)*** (0.0011) (0.0004)** (0.0006) (0.0011)***	Coefficient 0.0798 0.0075 -0.0081 -0.0092 -0.0015 -0.0053 -0.0014 0.0027 0.0006 -0.0069	Std Error (0.0068)*** (0.0038)* (0.0014)*** (0.0027)*** (0.0036) (0.0012)*** (0.0028) (0.0011)*** (0.0017) (0.0029)**	Coefficient 1.9128 0.0232 0.0091 0.0059 -0.0174 -0.0099 -0.0212 0.0050 0.0002 0.0116	
LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8) LOG(P9) LOG(P10)	Coefficient 0.0168 -0.0018 -0.0006 0.0014 0.0081 -0.0008 0.0015 -0.0064 -0.0041 0.0056 -0.0018	Std Error (0.0021)*** (0.0012) (0.0004) (0.0008) (0.0011)*** (0.0009)** (0.0005)*** (0.0009)*** (0.0003)*** (0.0003)***	Coefficient 0.0647 0.0223 0.0018 0.0065 -0.0044 -0.0067 -0.0139 0.0066 -0.0041 -0.0138 0.0083	Std Error (0.0054)*** (0.0030)*** (0.0011) (0.0022)*** (0.0028) (0.0009)*** (0.0009)*** (0.0009)*** (0.0014)*** (0.0008)***	Coefficient 0.0194 -0.0099 0.0068 -0.0063 0.0182 0.0075 0.0048 -0.0031 -0.0020 -0.0138 -0.0023	Std Error (0.0046)*** (0.0026)*** (0.0009)*** (0.0018)*** (0.0024)*** (0.0008)*** (0.0019)** (0.0001)* (0.00011)* - (0.0003)*** (0.0008)***	Coefficient 0.0552 0.0064 -0.0030 0.0044 -0.0081 -0.0035 0.0002 0.0010 0.0010 0.0066 -0.0023	Std Error (0.0027)*** (0.0015)*** (0.0006)*** (0.0011)*** (0.0014)*** (0.0005)*** (0.00011) (0.0004)** (0.0004)** (0.0004)**	Coefficient 0.0798 0.0075 -0.0081 -0.0092 -0.0015 -0.0053 -0.0014 0.0027 0.0006 -0.0069 0.0179	Std Error (0.0068)*** (0.0038)* (0.0014)*** (0.0027)*** (0.0026) (0.0012)*** (0.0017) (0.0029)** (0.0011)***	Coefficient 1.9128 0.0232 0.0091 0.0059 -0.0174 -0.0099 -0.0212 0.0050 0.0002 0.0116 -0.0097	
LOG(P1) LOG(P2) LOG(P3) LOG(P4) LOG(P5) LOG(P6) LOG(P7) LOG(P8) LOG(P9) LOG(P10) LOG(P11)	Coefficient 0.0168 -0.0018 -0.0006 0.0014 0.0081 -0.0008 0.0015 -0.0064 -0.0041 0.0056 -0.0018 -0.0023	Std Error (0.0021)*** (0.0012) (0.0004) (0.0008) (0.0011)*** (0.0009)* (0.0009)* (0.0005)*** (0.0009)*** (0.0003)***	Coefficient 0.0647 0.0223 0.0018 0.0065 -0.0044 -0.0067 -0.0139 0.0066 -0.0041 -0.0138 0.0083 0.0083 0.0028	Std Error (0.0054)*** (0.0030)*** (0.0011) (0.0022)*** (0.0028) (0.0009)*** (0.0009)*** (0.0009)*** (0.0014)*** (0.0008)***	Coefficient 0.0194 -0.0099 0.0068 -0.0063 0.0182 0.0075 0.0048 -0.0031 -0.0020 -0.0138 -0.0023 -0.0108	Std Error (0.0046)*** (0.0026)*** (0.0009)*** (0.0018)*** (0.0024)*** (0.0008)*** (0.0019)** (0.0007)*** (0.0011)* - (0.0003)***	Coefficient 0.0552 0.0064 -0.0030 0.0044 -0.0081 -0.0035 0.0002 0.0010 0.0010 0.0010 0.0066 -0.0023 0.0009	Std Error (0.0027)*** (0.0015)*** (0.0006)*** (0.0011)*** (0.0014)*** (0.0005)*** (0.0011) (0.0004)** (0.0006) (0.0011)***	Coefficient 0.0798 0.0075 -0.0081 -0.0092 -0.0015 -0.0053 -0.0014 0.0027 0.0006 -0.0069 0.0179 0.0009	Std Error (0.0068)*** (0.0038)* (0.0014)*** (0.0027)*** (0.0036) (0.0012)*** (0.0028) (0.0011)*** (0.0017) (0.0029)**	Coefficient 1.9128 0.0232 0.0091 0.0059 -0.0174 -0.0099 -0.0212 0.0050 0.0002 0.0116 -0.0097 0.0245	

Appendix 8: The parameter estimates of the LA/AIDS without demographic variables, Malaysia, 2004/2005.