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## **Islamic finance: Del Universitybt versus equity - An empirical Issue**

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# Islamic finance: Debt versus equity

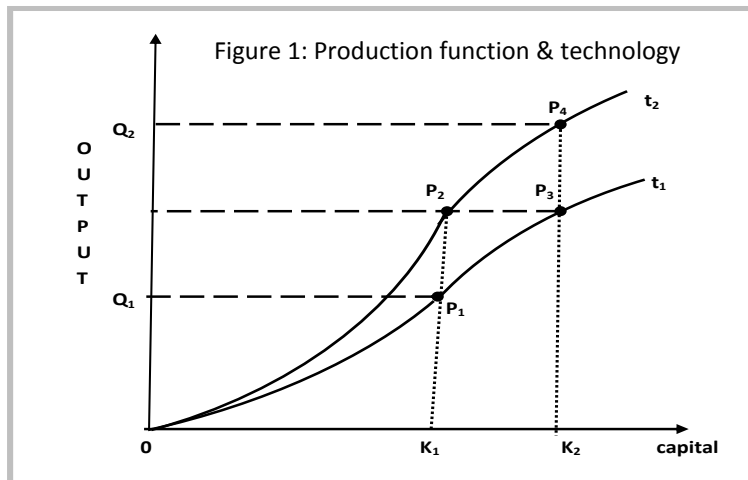
## An empirical Issue

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### Abstract

*The current financial turmoil has led many writers in the area of Islamic finance to revive an old edict in Islamic finance – no risk, no gain. I have discussed this axiom in my earlier writings and have not come across anything in recent advocacy of its proponents that could make me change my position. Thus the object of this brief note is not to reopen that dialogue. In view of the theoretical heat that recent writings have generated, empiricists are prompted to test the hypo-*



Thesis: Equity financing is better than reliance on debt for economic stability and growth, Muslim countries being the reference point. For this purpose, it is not difficult to select a sample and specify the relevant variables. But as growth in GDP is pivotal variable here the choice of production function for the work becomes important as there is a variety of frame works available. This note discusses the selection issue. More specifically, can we safely use a

Model with *technology remaining unchanged* or it is imperative to have a dynamic framework?

## 1. Introduction

In more recent years there has been a surge in writings on risk and its management in Islamic finance for a variety of reasons, the immediate one being the devastation the 2007 turmoil inflicted on financial institutions of all shades and categories, banks especially. The important factor among the causes of the crisis was the lure for leverage gains magnified by conversion of short-term finance into long-run financing tool via maturity transformation. Islamic banks suffered marginally for two reasons among others. They shun interest which dampens leveraging and the wrap all financial transactions around real assets. The volume of pure fiacial transactions is minimal and cannot balloon without parallel growth of real goods and services. This much is clear and not many will dispute.

<sup>1</sup> Author alone is responsible for the views expressed in this note. The same need not in any way be attributed to The Global University of Islamic Finance (INCEIF) where he currently works. Comments on the note are needed and can kindly be sent to the author on his E-mail address: zubhasan@gmail.com

The dissention was attracted when some respected scholars saw in the situation an opportunity of seeing mainstream interest finance as based on *solely* transferring risk to others and Islamic finance permissible *only* with risk sharing. Risk sharing promised both equity in distribution and stability in growth. This claim is difficult to defend in its 'solely' and 'only' aspects. This I have shown more than once. I have also argued that Islam's is a profit and loss sharing system; risk sharing is its consequence not the cause. Risk taking is a personal virtue. Society appreciates and encourages risk takers in general. However, moral evaluation should not be confused with economic valuation. In any case, the issue I want to raise here is different.

## **2. Equity versus debt – empirical evidence**

There is a plethora of empirical work upholding that equity financing is inherently superior to reliance on debt financing not only for promoting stability and growth in an economy but for other reasons as well. Nevertheless, one way of being counted in the area of Islamic economics and finance is to restrict empirical work to Muslim countries, individual or group. Such work is doubtless useful in several ways but has limitations. For example, I do not expect results of a different import if we take a group of Muslim countries and another of non-Muslim countries other thing being equal and find significant difference in most of empirical comparisons.

However, one may attempt within a sample of Muslim countries to investigate if the use of more equity than debt tends to promote stability and growth. We may use panel data of banks and divide banks in each country on the basis of debt/equity ratio into groups with (i) low ratio and (ii) those with high ratio and see if this bifurcation gives significantly better results for the low debt countries. Many problems concerning the data such as definitional uniformity or period coverage have to be resolved; adjustments and compromises may have to be made to overcome variable specification issues. Assuming that such hurdles have been reasonably overcome; a crucial decision this paper deals with remains. What production function framework we shall use?

## **3. Production function framework**

Since growth of GDP is the dependent variable in our exercise and technological change obviously affects level and rate of growth, one may argue that a dynamic framework such as used by Mankiw (1992) and after him by others is the obvious choice. But here, let us not lose sight of our hypothesis and objective. We are not interested in studying growth of the GDP per se and what numerous factors including foreign trade, capital inflows or exchange rate fluctuations for example impact it. Technological issues assume an *ex ante* air; it seeks to push scarcity frontiers forward. Equity-debt issue uses *ex post* data; the study is essentially backward looking to draw inference for future course of action. A dynamic model focusing on technical change will not only fail to serve our purpose it will unmistakably drag us into unknown unwanted waters.

Figure 1 above in the abstract may help us to understand the point. Here, each of the two curves  $t_1$  and  $t_2$  show levels of technology the higher one giving more output for the same capital and fixed labour input. Movement along any of the two curves informs us how returns to capital in

physical terms would change depending on the scale of operations. A movement from  $P_1$  to  $P_3$  or from  $P_2$  to  $P_4$  would keep us on the same curve with a given technology. We should better stay on either of the two for consistent results. In contrast, a movement from  $P_1$  to  $P_2$  or  $P_3$  to  $P_4$  takes us nowhere; where our data will belong to?

#### **4. Conclusion**

To conclude, a fixed technology framework is appropriate and logical to study the equity-debt issue in my opinion. Otherwise, I shall be grateful if someone could teach me how a dynamic model with panel data analysis would be more revealing and useful, especially if this exercise is a tiny part of a bigger work.

#### **References**

Mankiw, Romer, and Weil. (1992). A contribution to the empirics of economic growth. *Quarterly Journal of Economics* 107(May):407-437.

Solow, R. M. (1956). A contribution to the theory of economic growth. *Quarterly Journal of Economics* 70 (February):65-94.