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#### VIABILITY OF ISLAMIC HEALTH PROTECTION RETIREMENT PLAN (I-HPRP) AMONG MALAYSIAN PUBLIC AND **PRIVATE EMPLOYEES**

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#### Abstract

 The main objective of this research is to examine the viability of the proposed Islamic health protection retirement plan (i-HPRP) among public and private employees in terms of their perceived benefits, future commitment, and preferences. Design/Methodology/Approach — Quantitative research design is chosen to achieve the purpose of the research. A total of 498 Malaysians located in different states were surveyed, and partial least squares-structural equation modelling (PLS-SEM) analysis was conducted for data analysis. Findings — Results of the analysis indicate that most of the respondents believed that the suggested plan is viable in terms of the benefits it provides and in line with their future commitment. In addition, both public and private employees have high interest in the proposed plan that appears to suit their retirement plans and health protection needs during that period. Originality/Value — This study structured an original illustrative retirement health protection plan to test its viability among public and private employees. Research Implications/Limitations — Results of this research are significant in proving that the suggested model of i-HPRP is attractive and would have positive acceptance among Malaysians once offered in the takāful (Islamic insurance) market. It would motivate takaful operators to develop this model as currently there are limited annuity takaful products offered in the market. © Marhanum Che Mohd Salleh, Nurdianawati Irwani Abdullah, Mohammad Abdul Matin Chowdhury, Nor Azizan Che Embi and Salina Kassim.

## **Author Keywords**

Annuity takāful product; Islamic health protection retirement plan (HPRP); Malaysian takāful market; Retirement planning; Savings behaviour

#### References

- Afthanorhan, A., Al-Mamun, A., Zainol, N.R., Foziah, H., Awang, Z. Framing the retirement planning behavior model towards sustainable wellbeing among youth: the moderating effect of public profiles (2020) Sustainability (Switzerland), 12 (21), pp. 1-24.
- Alonso-garcía, J., Sherris, M. One size fits all? Drawdown structures in Australia and The Netherlands (2019) The Journal of the Economics of Ageing, 13, pp. 14-27.
- Anderson, A., Baker, F., Robinson, D.T. Precautionary savings, retirement planning and misperceptions of financial literacy (2017) Journal of Financial Economics, 126 (2), pp. 383-398.
- · Aribawa, D.
  - Pengaruh literasi keuangan terhadap kinerja dan keberlangsungan UMKM di Jawa

(2016) Jurnal Siasat Bisnis, 20 (1), pp. 1-13.

- Barakat, L.P., Patterson, C.A., Mondestin, V., Chavez, V., Austin, T., Robinson, M.R., Li, Y. Initial development of a questionnaire evaluating perceived benefits and barriers to pediatric clinical trials participation (2013) Contemporary Clinical Trials, 34 (2), pp. 218-226.
- Barksdale, H.C., Johnson, J.T., Suh, M. A relationship maintenance model: a comparison between managed health care and

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#### traditional fee-for-service

(1997) *Journal of Business Research*, 40, pp. 237-247.

• Baron, R.M., Kenny, D.A.

The moderator-mediator variable distinction in social psychological research: conceptual, strategic, and statistical considerations (1986) Journal of Personality and Social Psychology, 51 (6), pp. 1173-1182.

Bhasin, H.

Social exchange theory in business (2018) Marketing 91. (accessed 18 July 2019)

Bollen, K.A., Stine, R.

Direct and indirect effects: classical and bootstrap estimates of variability (1990) Sociological Methodology, 20, pp. 115-140.

• (2021) Commitment, Cambridge Dictionary, (accessed 18 July 2019)

Carrión, G.C., Henseler, J., Ringle, C.M., Roldán, J.L.

Prediction-oriented modeling in business research by means of PLS path modeling: introduction to a JBR special section (2016) Journal of Business Research, 69 (10), pp. 4545-4551.

• Chao, C., Yu, C., Cheng, B., Chuang, P.

Trust and commitment in relationships among medical equipment suppliers: transaction cost and social exchange theories (2013) Social Behaviour and Personality, 41 (7), pp. 1057-1070.

Chowdhury, M.A.M.

(2021) Islamic health protection retirement plan for Malaysian employees: an investigation from a behavioural approach,

International Islamic University Malaysia, Kuala Lumpur

 Chowdhury, M.A.M., Embi, N.A.C., Laksana, N.N.M., Mohd Salleh, M.C., Razali, S.S. Moderating effect of gender, income and age towards an Islamic health protection retirement plan (i-HPRP)

(2022) American Journal of Economics and Business Innovation (AJEBI), 1 (1), pp. 19-29.

 Cohen, J. (1988) Statistical Power Analysis for the Behavioral Sciences, 2nd Edn., Routledge, New York, NY

• Conn, L.G., Wright, F.C.

Retirement plans and perspectives among general surgeons: a qualitative assessment

(2018) Canadian Journal of Surgery, 61 (5), pp. 319-325.

• Croy, G., Gerrans, P., Speelman, C.

The role and relevance of domain knowledge, perceptions of planning importance, and risk tolerance in predicting savings intentions (2010) Journal of Economic Psychology, 31 (6), pp. 860-871.

- Cude, B., Lawrence, F., Lyons, A., Metzger, K., LeJeune, E., Marks, L., Machtmes, K. College students and financial literacy: what they know and what we need to learn (2006) Eastern Family Economics and Resource Management Association, pp. 102-109.
- Deetlefs, A.M.J., Bateman, H., Dobrescu, L.I., Newell, B.R., Ortmann, A., Thorp, S. Engagement with retirement savings: it is a matter of trust (2019) Journal of Consumer Affairs, 53 (3), pp. 917-945.

- (2020) Population projection (revised), Malaysia, 2010-2040, (accessed 20 April 2021)
- Esmaeilzadeh, P., Sambasivan, M., Nezakati, H., Kumar, N. How social exchange in hospitals can influence adoption of clinical IT? (2013) Journal of Business Administration and Education, 2 (2), pp. 35-64.
- Evermann, J., Tate, M. Assessing the predictive performance of structural equation model estimators (2016) Journal of Business Research, 69 (10), pp. 4565-4582.
- Faustino, J.A.C., Serrano, J.O., de Guzman, A.B. What's on your bucket list? Utility and importance of the retirement preferences of 40-70-year-old Filipino teachers using discrete choice estimation (2020) Educational Gerontology, 46 (11), pp. 668-677.
- Featherman, M., Jia, S., Califf, C.B., Hajli, N. The impact of new technologies on consumers beliefs: reducing the perceived risks of electric vehicle adoption (2021) Technological Forecasting and Social Change, 169, p. 120847. (Jasper)
- Fiksenbaum, L., Marjanovic, Z., Greenglass, E. Financial threat and individuals' willingness to change financial behavior (2017) Review of Behavioral Finance, 9 (2), pp. 128-147.
- Friedman, M.

The permanent income hypothesis (1957) A Theory of the Consumption Function, I, pp. 20-37. **Princeton University Press** 

- Greenglass, E., Marjanovic, Z., Fiksenbaum, L. The impact of the recession and its aftermath on individual health and well-being (2013) The Psychology of the Recession in the Workplace, pp. 42-58. Antoniou, A.-S.G. & Cooper, C. (Eds), Edward Elgar, Cheltenham
- Hair, J.F., Sarstedt, M., Ringle, C.M., Mena, J.A. An assessment of the use of partial least squares structural equation modeling in marketing research (2012) Journal of the Academy of Marketing Science, 40 (3), pp. 414-433.
- Hair, J.F., Hult, G.T.M., Ringle, C.M., Sarstedt, M., Thiele, K.O. Mirror, mirror on the wall: a comparative evaluation of composite-based structural equation modeling methods (2017) Journal of the Academy of Marketing Science, 45 (5), pp. 616-632.
- Hardcastle, R. (2012) How can we incentivise pension saving? A behavioural perspective, Working Paper No. 109, Department for Work and Pensions, (accessed 20 April 2020)
- Harun-Or-Rashid, M., Yoshida, Y., Rashid, M.A., Nahar, S., Sakamoto, J. Perceptions of the Muslim religious leaders and their attitudes on herbal medicine in Bangladesh: a cross-sectional study (2011) BMC Research Notes, 4 (1), p. 366.
- Hayes, A.F., Preacher, K.J. Quantifying and testing indirect effects in simple mediation models when the constituent paths are nonlinear (2010) Multivariate Behavioral Research, 45 (4), pp. 627-660.

• Hentzen, J.K., Hoffmann, A.O.I., Dolan, R.M. Which consumers are more likely to adopt a retirement app and how does it explain mobile technology-enabled retirement engagement? (2021) International Journal of Consumer Studies, pp. 1-23.

Heong, Y.S.

# A better safety net for senior citizens (2020) New Straits Times, (accessed 19 April 2021)

. Homans, G.C.

## Social behavior as exchange

(1958) The American Journal of Sociology, pp. 597-606.

Johari, A.H., Zai, F.H., Hussain, L., Ali, M.M. Exploring a Shari'ah-compliant model for retirement annuity plans (2014) I-FIKR, (accessed 8 September 2022)

- Kadir, J.M.A., Zainon, S., Ismail, R.F., Aziz, S.N.A., Amran, A.A.I. Retirement planning and its impact on working individuals (2020) European Journal of Molecular and Clinical Medicine, 7 (6), pp. 1550-1559.
- . Kieren, P., Weber, M.

When saving is not enough: wealth decumulation in retirement (2021) Journal of Pension Economics and Finance, pp. 1-28.

- Malaysia provident/pension fund value chain (2021) Kumpulan Wang Persaraan, (accessed 5 April 2021)
- (2021) Know your responsibilities as an employer, KWSP/EPF, (accessed 3 May 2021)
- Lai, C., Pai, D., Yang, C., Lin, H.

The effects of market orientation on relationship learning and relationship performance in industrial marketing: the dyadic perspectives (2009) Industrial Marketing Management, 38 (2), pp. 166-172.

Liew, H.

# EPF alone won't be enough for retirement. here's how you can save more for the future

(2020) Rojak Daily, (accessed 3 May 2021)

Liu, C., Bai, X., Knapp, M.

Multidimensional retirement planning behaviors, retirement confidence, and postretirement health and well-being among Chinese older adults in Hong Kong (2021) Applied Research in Quality of Life, 17 (2), pp. 833-849.

Lovell, G.P., El-Ansari, W., Parker, J.K.

# Perceived exercise benefits and barriers of non-exercising female university students in the United Kingdom

(2010) International Journal of Environmental Research and Public Health, 7, pp. 784-798.

. Lusardi, A.

# Information, expectations, and savings for retirement

(1999) Behavioral Dimensions of Retirement Economics, pp. 81-115.

Aaron, H. (Ed), Brookings Institution Press and Russell Sage Foundation, Washington, D.C

- Lusardi, A., Mitchell, O.S., Oggero, N. Debt and financial vulnerability on the verge of retirement (2020) Journal of Money, Credit and Banking, 52, pp. 1005-1034.
- MacKinnon, D.P., Lockwood, C.M., Williams, J. Confidence limits for the indirect effect: distribution of the product and resampling methods (2010) Multivariate Behavioral Research, 39 (1), pp. 1-24.
- Modigliani, F., Brumberg, R.
  - Utility analysis and the consumption function: an interpretation of cross section data

(1954) Post Keynesian Economics, K.K. Kurihara (Ed), Ruthers University Press, New Brunswick, New Jersey

- . Mohd Kassim, Z.A. (2003) Pension design and marketing the annuity Malaysia experience, (accessed 20 April 2021)
- Mohd Salleh, M.C., Chowdhury, M.A.M., Nasarudin, A.F.B.M., Ratnasari, R.T. The impact of cognitive factors on individuals' financial decisions (2020) Management & Accounting Review, 19 (3), pp. 69-88.
- Mohd Salleh, M.C., Chowdhury, M.A.M., Razali, S.S., Megat Laksana, N.N. Retirement schemes, its challenges and ways of reformation: a cross-border study (2020) International Journal of Asian Social Science, 10 (9), pp. 507-520.
- Nayan, M.A., Othman, Y.H. The importance of Islamic retirement planning in Malaysia (2019) Contemporary Issues in Islamic Management, Finance & Laws, pp. 7-9.
- (2021) Lack of savings a major concern, 2 March, (accessed 20 April 2021)
- (2021) Rina: Malaysia prepares for ageing nation status by 2030, 9 April, (accessed 30 April 2021)
- Owadally, I., Jang, C., Clare, A. Optimal investment for a retirement plan with deferred annuities (2021) Insurance: Mathematics and Economics, 98, pp. 51-62.
- · Panyagometh, K. Dynamic spending and risk-based simulation in retirement planning (2021) Asian Economic and Financial Review, 11 (4), pp. 337-346.
- Perry, M., Williams, R.L., Wallerstein, N., Waitzkin, H. Social capital and health care experiences among low-income individuals (2008) American Journal of Public Health, 98 (2), pp. 330-336.
- Ramayah, T., Lee, J.W.C., In, J.B.C. Network collaboration and performance in the tourism sector (2011) Service Business, 5 (4), pp. 411-428.
- Rigdon, E.E., Becker, J.M., Sarstedt, M. Factor indeterminacy as metrological uncertainty: implications for advancing psychological measurement (2019) Multivariate Behavioral Research, 54 (3), pp. 429-443.
- (2018) Government and private hospitals in Malaysia: how much do they really cost?, (accessed 20 April 2021)

- Rogers, E. (1995) Diffusion of Innovations, Fourth, Free Press, New York, NY
- · Salleh, M.C.M.

(2014) Developing a Model of Measuring Islamic Relationship Marketing Practice among Takaful Agents: Exploring Its Implications on Customer Retention, PhD Thesis, International Islamic University Malaysia, Kuala Lumpur

- Sarstedt, M., Hair, J.F., Ringle, C.M., Thiele, K.O., Gudergan, S.P. Estimation issues with PLS and CBSEM: Where the bias lies! (2016) Journal of Business Research, 69 (10), pp. 3998-4010.
- Sarstedt, M., Ringle, C.M., Cheah, J.H., Ting, H., Moisescu, O.I., Radomir, L. Structural model robustness checks in PLS-SEM (2020) Tourism Economics, 26 (4), pp. 531-554.
- Shim, S., Serido, J., Tang, C. The ant and the grasshopper revisited: the present psychological benefits of saving and future oriented financial behaviors (2012) Journal of Economic Psychology, 33 (1), pp. 155-165.
- . Sobel, M.E.

Asymptotic confidence intervals for indirect effects in structural equation models (1982) Sociological Methodology, 13, pp. 290-312.

 Sotiropoulos, V., d'Astous, A. Attitudinal, self-efficacy, and social norms determinants of young consumers' propensity to overspend on credit cards (2013) Journal of Consumer Policy, 36 (2), pp. 179-196.

Statman, M.

Standard and behavioral life-cycle theories and public policy (2017) The Journal of Retirement, 5 (2), pp. 12-25.

 Sumner, J., Liberman, A., Rotarius, T., Wan, T.T.H., Eaglin, R. Health care communication networks disseminating employee information for hospital security (2009) The Health Care Manager, 28 (4), pp. 287-298.

Tahiri Jouti, A.

An integrated approach for building sustainable Islamic social finance ecosystems (2019) ISRA International Journal of Islamic Finance, 11 (2), pp. 246-266.

• Wan, W.H., Antonucci, T.C.

Social exchange theory and aging (2017) Encyclopedia of Geropsychology, Pachana, N.A. (Ed)

Wang, Y., Midha, V.

User self-disclosure on health social networks: a social exchange perspective (2012) Thirty Third International Conference on Information Systems, pp. 1-11. IT for Health Care Management, Orlando

• Wold, H.

## Partial least squares

(1985) Encyclopedia of Statistical Sciences, pp. 581-591. S. Kotz & N. Johnson (Eds), John Wiley & Sons, Inc

• Wu, L.Y., Chen, K.Y., Chen, P.Y., Cheng, S.L. Perceived value, transaction cost, and repurchase-intention in online shopping: a

## relational exchange perspective

(2014) Journal of Business Research, 67 (1), pp. 2768-2776.

• Yan, Z., Wang, T., Chen, Y., Zhang, H.

# Knowledge sharing in online health communities: a social exchange theory perspective

(2016) Information & Management, 53 (5), pp. 1-18.

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