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Online Banking of Islamic Banks: The Customer's Perceptions in Kelantan

Mohd Zulkifli Muhammad [⊡], Farah Hanan Muhamad, Caturida Meiwanto Doktoralina, Dzulkifli Mukhtar, Mohd Fahmi Ghazali, Muhammad Khalilur Rahman & Noormariana Mohd Din

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Abstract

This paper focuses on problems associated with the usage of internet banking and its privacy and security in the Islamic banks in area of Kota

Bharu, a state capital of Kelantan which are attributed to the perspective, decision and suggestions from customers for possible actions that could be taken to overcome the problem. This study is conducted utilizing qualitative methods to ensure the data analyzed through a reliable software package of ATLAS.ti. The data employed were drawn from interviews and documents analysis. Interview's data collected from online banking users in Kota Bharu, Kelantan. The contents and textual analyses also used to achieve this purpose. Researchers concluded that everybody now ends up making online payment transactions by using the technology at their fingertips. Researchers find perception factor to be crucially significant and play a key role in determining whether e-banking adherents are confident and content with the privacy and security of online banking and whether perceptions affect their choice of e-banking. To avoid problems concerning privacy and security, awareness is an essential element. Trusts also influence decision-making and perception in online banking access. The implication of this study is that privacy and security are critical aspects in Islamic banking operation, and Islamic banking should take proactive measures to ensure that privacy and security in internet banking are at an optimal level.

Keywords

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References

Acharya, S., Joshi, S.: Impact of cyber-attacks on banking institutions in India: A study of safety mechanisms and preventive measures. PalArch's J.

Archaeol. Egypt/egyptology 17(6), 4656–4670 (2020)

Al-Dmour, A., Al-Dmour, H.H., Brghuthi, R., Al-Dmour, R.: Technology

acceptance dynamics and adoption of e-payment systems: Empirical evidence from Jordan. Int. J. E-Bus. Res. (IJEBR) **17**(2), 61–80 (2021)

Al-Shaer, B.Y.: The jurisprudential rules related to the revolving credit card issued by Safwa Islamic Bank/The Hashemite Kingdom of Jordan. Jordan J. Islamic Stud. **16**(3), 157–178 (2021)

Al-Sharafi, A., Arshah, R.A., Herzallah, A., Abu-Shanab, E.A.: The impact of customer trust and perception of security and privacy on the acceptance of online banking services: structural equation modeling approach. J. Ind. Manage. **4**, 1–14 (2018)

Alazemi, M., Alazemi, L.: Transparency standards implementation in light of governance in the Islamic banks in Kuwait. Int. J. Bus. Ethics Gov. **4**(1), 106–123 (2021)

Aspers, P., Corte, U.: What is qualitative in qualitative research. Qual. Sociol. **42**(2), 139–160 (2019)

Bhattacharya, R., Devinney, T.M., Pillutla, M.M.: A formal model of trust

based on outcomes. Acad. Manage. Rev. 23(3), 459-472 (1998)

Khan, M.B., Ghafoorzai, S.A., Patel, I., Shehbaz, D.M.: Waqf based Islamic fintech model for agriculture sector of Indonesia. Int. J. Bus. Ethics Gov. **4**(1), 73–85 (2021)

Bowen, G.A.: Document analysis as a qualitative research method. Qual. Res. J. **9**(2), 27–40 (2009)

Broadhurst, R., Grabosky, P., Alazab, M., Bouhours, B., Chon, S.: An analysis of the nature of groups engaged in cybercrime. Int. J. Cyber Criminol. **8**(1), 1–20 (2014)

Creswell, J.W., Clark, V.L.P.: Designing and Conducting Mixed Methods Research. Sage Publications, Washington DC, USA (2017)

Crawford, J.: The use of electronic information services and information literacy: a Glasgow Caledonian University study. J. Librariansh. Inf. Sci. **38**(1), 33–44 (2006) Devlin, M., Gray, K.: In their own words: a qualitative study of the reasons Australian university students plagiarize. High Educ. Res. Dev. **26**(2), 181– 198 (2007)

Dixit, N., Saroj, K.: Acceptance of e-banking among adult customers: An empirical investigation in India. J. Internet Bank. Commer. **15**(2), 1–17 (2010)

Eklof, J., Hellstrom, K., Malova, A., Parmler, J., Podkorytova, O.: Customer perception measures driving financial performance: theoretical and empirical work for a large decentralized banking group. Meas. Bus. Excell. **21**(3), 239–249 (2017)

FitzPatrick, B.: Validity in qualitative health education research. Curr. Pharm. Teach. Learn. **11**(2), 211–217 (2019)

Gaol, F.L., Budiansa, A.D., Weniko, Y.P., Matsuo, T.: Cyber crime risk control in non-banking organizations. J. Theor. Appl. Inf. Technol. **99**(5), 1219–1231 (2021)

Gerrard, P., Barton Cunningham, J., Devlin, J.F.: Why consumers are not

using internet banking: a qualitative study. J. Serv. Mark. **20**(3), 160–168 (2006)

Gupta, P., Chauhan, S., Jaiswal, M.P.: Classification of smart city research-a descriptive literature review and future research agenda. Inf. Syst. Front. **21**(3), 661–685 (2019)

Hwang, G.J., Fu, Q.K.: Trends in the research design and application of mobile language learning: a review of 2007–2016 publications in selected SSCI journals. Interact. Learn. Environ. **27**(4), 567–581 (2019)

Koohang, A., Nord, J.H., Sandoval, Z.V., Paliszkiewicz, J.: Reliability, validity, and strength of a unified model for information security policy compliance. J. Comput. Inf. Syst. 1–9 (2020)

Mathiyarasan, M., Chitra, V.: A study on customer awareness towards internet banking-with reference to tumkurdistrict. SAARJ J. Bank. Insur. Res. **8**(3), 17–27 (2019)

Mogos, G., Jamail, N.S.M.: Study on security risks of e-banking system.

Indonesian J. Electr. Eng. Comput. Sci. 21(2), 1065–1072 (2021)

Mohajan, H.K.: Two criteria for good measurements in research: validity and reliability. Econ. Ser. **17**(4), 59–82 (2017)

Mohammadi, H.: Investigating users' perspectives on e-learning: an integration of TAM and IS success model. Comput. Hum. Behav. **45**, 359–374 (2015)

Narayan, P.K., Phan, D.H.B.: A survey of Islamic banking and finance literature: Issues, challenges and future directions. Pac. Basin Financ. J. **53**, 484–496 (2019)

Nassar, R.M., Battour, M.: The impact of marketing ethics on customer loyalty: a conceptual framework. Int. J. Bus. Ethics Gov. **3**(2), 1–12 (2020)

Naushad, M.: Comparative analysis of Saudi sharia compliant banks: a CAMEL framework. Accounting **7**(5), 1119–1130 (2021)

Nguyen, M.: Data Collection Methods in L2 Pragmatics Research. The

Routledge, London (2019)

Normalini, M., Ramayah, T.: Trust in internet banking in Malaysia and the moderating influence of perceived effectiveness of biometrics technology on perceived privacy and security. J. Manage. Sci. **4**(1), 3–26 (2017)

Novikov, A.M., Novikov, D.A.: Research Methodology: From Philosophy of Science to Research Design. CRC Press, Florida (2019)

Pantano, E., Vannucci, V.: Who is innovating? an exploratory research of digital technologies diffusion in retail industry. J. Retail. Consum. Serv. **49**, 297–304 (2019)

Parahoo, K.: Nursing Research: Principles, Process and Issues. Macmillan International Higher Education, New York (2014)

Paul, J., Modi, A., Patel, J.: Predicting green product consumption using theory of planned behavior and reasoned action. J. Retail. Consum. Serv. **29**, 123–134 (2016) Poon, J., Chow, Y.W., Ewers, M., Ramli, R.: The role of skills in Islamic

financial innovation: evidence from Bahrain and Malaysia. J Open Innov.

Technol Market Complex. **6**(3), 47 (2020)

Raza, S.A., Umer, A., Qureshi, M.A., Dahri, A.S.: Internet banking service quality, e-customer satisfaction and loyalty: the modified e-SERVQUAL model. TQM J. **32**(6), 1443–1466 (2020)

Riek, M., Bohme, R., Moore, T.: Measuring the influence of perceived cybercrime risk on online service avoidance. IEEE Trans. Dependable Secure Comput. **13**(2), 261–273 (2015)

Ritchie, J., Lewis, J., Nicholls, C.M., Ormston, R.: Qualitative Research Practice: A Guide for Social Science Students and Researchers. Sage Publications, London (2013)

Safeena, R., Hundewale, N., Kamani, A.: Customer's adoption of mobilecommerce a study on emerging economy. Int. J. e-Educ. e-Bus. e-Manage. e-Learn. **1**(3), 228 (2011) Sadeghi, T.: Examining the obstacles of formatting electronic banking in Iran. (Unpublished master's thesis). Alíame Tabatabay University, Farsi, Iran (2004)

Schoonenboom, J., Johnson, R.B.: How to construct a mixed methods research design. KZfSS Kölner Zeitschrift Für Soziologie Und Sozialpsychologie **69**(2), 107–131 (2017)

Syarif, F.: Regulatory framework for Islamic financial institutions: lesson learnt between Malaysia and Indonesia. J. Halal Prod. Res. **2**(2), 79–85 (2019)

Utami, P., De Guzman, M.J.J.: Innovation of technology-based strategies based on environmental examination organizations in Islamic banking and finance. Asian J. Multi. Stud. **3**(1), 117–126 (2020)

Wijayati, C.D., Gustyana, T.T.: The impact of mobile banking on ROA of Islamic banking which was listed on the IDX in 2015–2019. Int. J. Adv. Res. Econ. Finan. **3**(1), 63–69 (2021)

Willis, R.: The use of composite narratives to present interview findings.

Qual. Res. 19(4), 471–480 (2019)

Yilmaz, K.: Comparison of quantitative and qualitative research traditions:Epistemological, theoretical, and methodological differences. Eur. J. Educ.48(2), 311–325 (2013)

Yussaivi, A.M., Lu, C.Y., Syarief, M.E., Suhartanto, D.: Millennial experience with mobile banking and artificial intelligence (AI)-enabled mobile banking: evidence from Islamic banks. Int. J. Appl. Bus. Res. 39–53 (2021)

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Author information

Authors and Affiliations

Universiti Malaysia Kelantan, Jalan Pengkalan Chepa, 16100, Kota

Bharu, Kelantan, Malaysia

Mohd Zulkifli Muhammad, Farah Hanan Muhamad, Dzulkifli

Mukhtar, Muhammad Khalilur Rahman & Noormariana Mohd Din

Universitas Mercu Buana, Kembangan, Jakarta, 11650, Indonesia

Caturida Meiwanto Doktoralina

Universiti Kebangsaan Malaysia, 43600, Bangi, Selangor, Malaysia

Mohd Fahmi Ghazali

Corresponding author

Correspondence to Mohd Zulkifli Muhammad.

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