

Document details

[Back to results](#) | 1 of 1

[Export](#) [Download](#) [Print](#) [E-mail](#) [Save to PDF](#) [Add to List](#) [More...](#)
[Full Text](#) [View at Publisher](#)

2016 International Conference on Informatics and Computing, ICIC 2016
 19 April 2017, Article number 7905719, Pages 221-226
 1st International Conference on Informatics and Computing, ICIC 2016; Mataram; Indonesia; 28 October 2016 through 29 October 2016; Category number CFP16GS2-ART; Code 127421

Evaluation model of Information Technology innovation effectiveness case of higher education institutions in Indonesia (Conference Paper)

 Huda, M.Q.^a Hussin, H.^b
^aDepartment of Information Systems, State Islamic University (UIN) Syarif Hidayatullah, Jakarta, Indonesia

^bDepartment of Information Systems, International Islamic University Malaysia (IIUM), Gombak, Malaysia

Abstract

[View references \(24\)](#)

Information Technology (IT) innovation implementation in an organization seems to be more challenging than expected. IT innovation adoption is relatively controllable, while the investigating way of work of IT implementation is far more difficult to control as it involves complex interactions among individuals, technology, and the environment. Similar to other organizations, higher educational institutions are also involved in IT innovation implementation. IT innovation is seen as key enabler to transform higher education, nevertheless many IT implementation initiatives are far from successful. This study proposed an IT innovation effectiveness model for higher education and investigates what are the factors that contribute to IT innovation effectiveness. The proposed model was based on the post adoption stage of Diffusion of Innovation theory and Klein and Sorra's innovation implementation model. The model was adapted to the higher education context by including new variables. Using the survey method, the model was validated using a sample of 91 higher educational institutions in Indonesia. The findings of the study confirmed that top management support (TMS) influence successful IT innovation effectiveness (ITNE) both directly and indirectly through implementation policies and practices (IPP) of ITNE. Consequently, top management bodies in the context of the HEIs in Indonesia should prioritize on IPP first. This will enable implementation policies to influence on successful ITNE. In a similar manner, the role of IPP is very important as mediator of the relationship between TMS and ITNE to achieve

Author keywords

[Higher Education Institutions](#) [IT Implementation](#) [IT innovation](#) [Organizational innovation](#) [UIN Jakarta](#)

Indexed keywords

 Engineering controlled terms: [Compensation \(personnel\)](#) [Computation theory](#) [Education](#) [Societies and institutions](#)

 Compendex keywords: [Higher education institutions](#) [IT implementation](#) [IT innovation](#) [Jakarta](#) [Organizational innovation](#)

 Engineering main heading: [Innovation](#)

 ISBN: 978-150901648-8
 Source Type: Conference Proceeding
 Original language: English

 DOI: 10.1109/IC.2016.7905719
 Document Type: Conference Paper
 Sponsors: APTIKOM
 Publisher: Institute of Electrical and Electronics Engineers Inc.

References (24)

[View in search results format](#)
 All [Export](#) [Print](#) [E-mail](#) [Save to PDF](#) [Create bibliography](#)

1 Totterdell, P., Leach, D., Birdi, K., Clegg, C., Wall, T.
 An Investigation of the Contents and Consequences of Major Organizational Innovations
 (2002) *International Journal of Innovation Management*, 6, p. 343. Cited 40 times.

2 Klein, K.J., Conn, A.B., Sorra, J.S.
 Implementing computerized technology: An organizational analysis
 (2001) *Journal of Applied Psychology*, 86 (5), pp. 811-824. Cited 249 times.
 doi: 10.1037//0021-9010.86.5.811

[View at Publisher](#)

Metrics

0 Citations in Scopus

0 Field-Weighted Citation Impact


 PlumX Metrics
 Usage, Captures, Mentions,
 Social Media and Citations
 beyond Scopus.

Cited by 0 documents

Inform me when this document is cited in Scopus:

Related documents

Measurement model of information technology implementation effectiveness

 Huda, M.Q., Sa'adah, N.U.
 (2014) *2014 International Conference on Cyber and IT Service Management, CITSM 2014*

A conceptual model of information technology

Information and Communication Technology for the Muslim World, ICT4M 2013

Innovative and established research methods in family business: Description, illustration and application guidelines

 Hair, J.F., Sarstedt, M.
 (2014) *Journal of Family Business Strategy*

View all related documents based on references

Find more related documents in Scopus based on:

[Authors](#) [Keywords](#)