



PRINCE OF  
SONGKLA  
UNIVERSITY

LIBRARY AND  
INFORMATION SCIENCES  
INFORMATION MANAGEMENT  
KNOWLEDGE MANAGEMENT AND SERVICES

INFORMATION SCIENCES  
EDUCATION TECHNOLOGY

LEARNING TECHNOLOGY AND INFORMATION STUDIES

INNOVATION INFORMATION AND  
INFORMATION TECHNOLOGY LITERACY

LEARNING MEDIA  
EDUCATION TECHNOLOGY



Journal of

# Information and Learning

Volume 33 Issue 3 September-December 2022

ISSN 2697-6587 E-ISSN 2730-2202



Journal of Information and Learning [JIL],

Office of Academic Resources, Prince of Songkla University, Pattani Campus  
181 Charoenpradit Road, Rusamilae Subdistrict, Mueang District,  
Pattani Province, 94000, Thailand

Office of Academic Resources  
Prince of Songkla University