



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

PUP San Pedro Campus
San Pedro, Laguna

**ACCREDITING AGENCY OF CHARTERED COLLEGES AND UNIVERSITIES
(AACCUP)**



AREA V: Research

Bachelor of Secondary Education
Major in
Mathematics



❖ B.7. List of team/collaborative researches conducted

- List of team/collaborative researches conducted with corresponding authors

Title of Research	Researcher/s (Surname,First Name,M.I.)	Conference Title	Organizer	Venue	Date of Presentation	Level
Teaching Competency In The Digital Era In Indonesia, Malaysia And The Philippines	CRUZ, MARY ROSE MAHARLIKA P./Chong Kim Mee/Rashid Ating/Lenis Aislinn C. Separa/Arif Widyatama/Maricar Joy C. Buluran	06th ABRA International Conference On Quality Of Life	Association Of Malaysian Environment -Behaviour Researchers (AMER)	HYBRID/Doubletre e By Hilton Putrajaya Lakeside, Putrajaya, Malaysia	November 22 2022	International

- Proof of presentation/publication of the researches

LIST OF TEAM/COLLABORATIVE RESEARCH CONDUCTED WITH CORRESPONDING AUTHORS



06th ABRA International Conference on Quality of Life
Double Tree by Hilton Putrajaya Lakeside, Putrajaya, Malaysia, 21-22 Nov 2022

Teaching Competency in the Digital Era in Indonesia, Malaysia and the Philippines

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Abstract

This study investigated the challenges of teaching in the digital environment and identified digital competency among lecturers in higher learning institutions in the digital era. The survey was carried out from April to September 2022 with 155 valid responses among 200 lecturers, 77.5% response rate from private and public higher learning institutions from Indonesia, Malaysia, and the Philippines. PLS-SEM was used to analyse the survey results and hypothesis testing was conducted through bootstrapping. Among the seven hypotheses proposed, six were accepted and one was rejected, which was the development of digital learning resources towards competency teaching in the digital era.

Keywords: teaching competency, digital era, higher learning institutions, PLS-SEM

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DOI: <https://doi.org/10.21834/ebpj.v7i22.4155>

1.0 Introduction

The education sector is one of the most affected sectors by the COVID-19 pandemic. The uncertainty of opening the schools due to the outbreak has drastically transformed classrooms from traditional face-to-face into an engaging digital online learning experience. Indeed, this transformation process is unprecedentedly challenging, as schools are unprepared and caught up off guard. Nonetheless, teaching and learning progressed slowly but steadily as one learned to adapt to the presence of virtual classes via Google Meet, Google Classroom, Microsoft Teams, Zoom and other online platforms for almost two years. Southeast Asian countries have their individual teaching competency standard for teaching purposes. In most cases, the standard is designed by the respective country's Ministry of Education. This teaching standard aims to produce high-quality teachers in classrooms. It was also a testament to the Southeast Asian Ministers of Education Organization Regional Center for Educational Innovation and Technology (SEAMEO INNOTECH) to develop and improve

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