

# Collaborative Learning with E-Learning for Higher Education: Conceptual Model

## **Inayatulloh**

Information Systems Department  
School of Information system  
Bina Nusantara University  
Jakarta, Indonesia 11480  
[Inay@binus.ac.id](mailto:Inay@binus.ac.id)

## **Rozali Toyib**

Universitas Muhammadiyah  
Bengkulu, Indonesia  
[rozalitoib@umb.ac.id](mailto:rozalitoib@umb.ac.id)

## **Destiana Kumala**

Sekolah Tinggi Ekonomi Bisnis Islam Syariah Bina Mandiri  
Bogor, Indonesia 11480  
[destiana.kumala@binamandiri.ac.id](mailto:destiana.kumala@binamandiri.ac.id)

## **Rajiv Dharma Mangruwa**

Communication and Business-Telkom University, Bandung, Indonesia  
Azman Hashim International Business School –  
University of Technology Malaysia , Malaysia  
[rmangruwa@telkomuniversity.ac.id](mailto:rmangruwa@telkomuniversity.ac.id)

## **Indra Kusumadi Hartono**

Information Systems Department  
School of Information system  
Bina Nusantara University  
Jakarta, Indonesia 11480  
[indrakh@binus.ac.id](mailto:indrakh@binus.ac.id)

## **Abstract**

Education in higher education requires extensive knowledge exploration to increase students' knowledge which is not enough to be obtained through e-learning provided by universities alone. Collaborative learning has the potential to increase students' knowledge through online and onsite interactions with sources of knowledge from outside the institution. Therefore, integration between campus and knowledge sources from outside the campus will maximize student knowledge. The purpose of this research is to create a model that integrates the Learning Management System with the concept of collaborative learning to support and maximize student learning in higher education. The research method uses a qualitative approach through a literature review about the weaknesses of LMS and the potential of collaborative learning as well as observing student learning activities in higher education.

## **Keywords**

Education, LMS, Collaborative Learning, Institution, HE