

BLENDING LEARNING ON BASIC TOPICS OF PHYSICS AMONG PRE-UNIVERSITY STUDENTS:

OBSERVATION ON STUDENTS' ACADEMIC PERFORMANCE

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Aim:

To provides core ideas for blended learning design and implementation in teaching and learning Physics for pre-university students in Universiti Malaysia Sabah

Four key process:

- 1) Asynchronous/ Synchronous Learning
- 2) Online Content, self-paced time & speed
- 3) Collaboration
- 4) Assessment

- Lecture session of two (2) selected topics on each of major Physics courses from Sem 1 and 2 (Session 2019/2020) respectively is held in asynchronous session with provided online content (e.g., notes, example, quiz).
- Students will study these topics at his own speed and his own time.
- Problem-based learning (collaboration-group task assessment) is held via synchronous discussions which all learners participate at the same schedule time

Design:

Combination of traditional classroom activities with elements of distance learning, and makes a wide use of modern information technology

- Students' end semester feedback & academic performance: Students' can be benefited from this learning approach.
- Laid the core design of blended learning in Physics for pre-university students.

Portfolio of the project



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