

LEARNING PHYSICS THROUGH DEVELOPING A TEACHING AID

(KATEGORI ANUGERAH PENTAKSIRAN ALTERNATIF)



SITI NAZIRAH BUTAI



ELNETTHRA FOLLY
ELDY



HUZAIKHA AWANG



NUR FADZILAH BASRI



JACKSON CHANG HIAN HUI

Course:

SF0024: Optics, Modern Physics & Electricity

Learning Outcomes:

- Explains the principles and theories in optics modern physics including the quantum theory, magnetism and electricity.
- Apply the concepts, laws and principles in the areas of waves and modern physics.
- Use the methods of algebra, vectors and calculus to make calculations on waves, electricity, magnetism and modern physics.

Synopsis:

The main concept of teaching aids in this project is to find subtopics that are difficult to understand in any given topic, and teaching aids were built to help convey the subtopic to the audience. The main objective of this project is to enhance students' knowledge of Physics topics in depth. The project has been implemented as one of the compulsory assessments of pre-university students at UMS since 2018. The project not only helps students understand the topics of Physics, but it were also helping them to improve their communication and social skills. This is due to one of the evaluation elements for this project requires students to present their results publicly during ASASI Open Day, a yearly event in UMS. The knowledge they gained not only shared with the lecturers but also the students, parents, & schoolteachers who attended the carnival.

Summary of project available in a form of video, watch more from



Portfolio



YouTube



UMS
UNIVERSITI MALAYSIA SABAH



PHYSICS TEAM, PREPARATORY CENTRE FOR SCIENCE & TECHNOLOGY