



Abstract

Conventional method usually consumes more time to teach students in class. Using the conventional method to teach shadow topic to students, at some moments, it would block students' vision and disturbing the learning process. Furthermore, there is no psychomotor element experienced by the students in the learning process. X-Shadow kit is built to create a learning aid that will help to boost the excitement of learning. It also can save the class period of time. Learning process can be more fun and interesting, when the students can experience it by themselves. This kit begins with the design stage and it built using torchlight, cupboard, adjustable rope, recycle box, sponge and manipulation object. It is proven the learning kit can help to improve the understanding based on the quiz results. It is also believed to help the teachers and students for better understanding for the shadow topic.
