E Pedagogy support for preschool children’s awareness in energy efficiency: Development of preschool energy efficiency website

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Abstract

E-Pedagogy – Energy Efficiency – Preschool Children

Energy is often known as the catalyst for development. Globally, the per capita consumption of energy is often used as a barometer to measure the level of economic development in a particular country. As high as 85% of the energy consumed in Malaysia is electrical energy that comes from oil, coal and natural gas. Current statistics showed that if these trends are not curbed and no new oil fields are found, Malaysia who is now one of the oil exporter countries, might have to import oil in the future for its energy resources. In line with modernization, Malaysians had doubled its electricity usage over the last ten years. Moreover, Malaysians are not consuming energy efficiently compared to some nations in the world. Education of young children on the awareness of energy efficiency is seen as one of the strategy to address Malaysia’s energy crisis. This paper is part of a bigger project that aims to create awareness of energy efficiency among preschool students. The objective of this paper is to report on E pedagogy support for preschool awareness in energy efficiency. As such, findings from the study are used to design a website to encourage preschool teachers to implement and integrate energy efficiency in their teaching. The website focused on integrating energy efficiency in mathematics (numeracy), Science and Bahasa Malaysia (literacy) at preschool level. The main sections for this website discuss about lesson plans, resources, teachers activities and children activities. The website too has forums for interested teachers to interact. Furthermore, the target users of the website are preschool teachers, parents and the preschool children themselves.

Keywords
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