

A55 eToybox Study Malaysia: Development and evaluation of digital nutrition education materials for preschool teachers

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Printed materials in nutrition education are less interactive and take longer to understand compared to other materials. Thus, the ToyBox Study Malaysia sets out to convert existing printed education materials into digital format, eToyBox, for better reach and sustainability. This study aimed to develop and evaluate understandability and actionability of digital nutrition education materials for preschool teachers. This study involved three main phases: Phase I was needs assessment; Phase II involved development of infographics and videos, and Phase III was evaluation of understandability and actionability of infographics and videos by six experts using The Patient Education Materials Assessment Tool (PEMAT). In Phase I, the needs assessment showed that all 17 participants consisting of preschool teachers agreed that the printed modules of ToyBox Study Malaysia should be converted to digital format. In Phase II, the *Jom Minum* and *Makanan dan Snek Sihat* modules were developed into infographics and demonstration videos. The evaluation done in Phase III demonstrated that overall average score of understandability and actionability for *Jom Minum* and *Makanan dan Snek Sihat* e-modules ranged from 90% to 100%, indicating excellent level of effectiveness. There were no significant differences in understandability and actionability scores of infographics and videos between *Jom Minum* and *Makanan dan Snek Sihat* e-modules. In conclusion, infographics and videos for *Jom Minum* and *Makanan dan Snek Sihat* e-modules were successfully developed and were found to be effective. These infographics and videos can be used in the planned eToyBox online nutrition education to provide nutrition education to preschool teachers.