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The health education packages using android applications to improve knowledge and attitudes of pregnant, post-partum and lactating women in preventing COVID-19 transmission and self-care

The COVID-19 outbreak is rapidly increasing as evidenced by the number of cases, deaths and countries affected. However, limited data is available on pregnant women with COVID-19 on which to base recommendations for pregnancy and post-partum care.

Study aims: identify the effectiveness of nursing intervention with health education via an android application about self-care and prevention of COVID-19 toward the knowledge and attitudes of pregnant, post-partum and lactating women.

Method: This study was done in three stages. Stage one was identifying the existing nursing intervention for respondents with COVID-19, stage two involved the health education formulation and built it in to an android application, stage three measured the differences in knowledge attitude of respondents before and after using the android application. 152 respondents pregnant, post-partum and lactating with COVID-19 women participated in this study.

Result: Stage one showed that nursing intervention has been done comprehensively. Stage two established the health education: <http://cegahcovidbumil.000webhostapp.com> ; Stage three found that there were differences between pre and post using android application in the knowledge and attitudes during pregnancy, post-partum and lactating women in self-care and prevention of COVID-19 transmission. Significancy was found among post-partum and lactating women ($p=0.018^*$).

Conclusion: There was a difference in knowledge and attitudes among respondents in self-care and prevention regarding the spread of COVID-19 before and after health education via an android application. Study recommended that health care providers use this method in their intervention to prevent further spreading of COVID-19. Further research to explore more health.

Biography

Prof. Setyowati BA, BN, M.App.Sc, PhD, DBO, RN is professor in Faculty of Nursing University Indonesia. Finished in 2003 of Doctor of Philosophy in nursing from Faculty of Nursing, Midwifery, Health. University of Technology Sydney Australia. She was a University Indonesia Board of trustee member and Head of devison Accreditation Nursing Program in Indonesia (IAAHEH). He has published more than 45 papers in reputed journals and has been serving as an editorial board member of repute.

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