

## ABSTRACT

**Akbar, Muhammad. 2023. *The Influence Of Using The Dars (Diabetic Augmented Reality Simulation) Application On Youth Empowerment Activities On Knowledge And Attitudes In Preventing Type 2 Diabetes Mellitus*. Skripsi, Poltekkes Kemenkes Malang Prodi Sarjana Terapan Promosi Kesehatan. Pembimbing I : Dr. Siti Asiyah, S. Kep.Ns, M. Kes, Pembimbing II : Fiashriel Lundy, S. Kep.NS, M. Kes.**

*In the last two decades there has been a significant epidemiological transition, especially type 2 diabetes mellitus and it has become a major burden on society. Referring to the report of the most morbidity at the Ciptomulyo Health Center in 2022, the Ciptomulyo Health Center had 1,516 diabetes mellitus sufferers, in January the number of new cases was 54 cases and old cases were 142 cases. Then, in February the number of new cases was known to be 41 cases and old cases were 134 cases. The purpose of this study was to determine the effect of using the DARS Application in adolescent empowerment activities on knowledge and attitudes in preventing type 2 diabetes mellitus. This research method is a pre-experimental design with a one group pretest-posttest approach. The results showed that before the intervention with the DARS Application, 30 adolescents had a knowledge level of 83% good, 13% sufficient, 3% less and after the intervention with the DARS Application, respondents experienced an increase of 97% good, and 3% sufficient. Meanwhile, the average value of adolescent attitudes before the intervention was 94.2 after the intervention using the DARS Application was 98. From the study it was found that the level of interest of adolescents to know about type 2 diabetes mellitus also increased by using the DARS Application based on Augmented Reality. During the implementation of the Bakalankrajan Youth Posyandu, it is necessary to activate empowerment activities to be more innovative and interesting accompanied by health workers from the Health Center.*

**Keyword: *Diabetes Mellitus, Adolescents, Posyandu Remaja, Empowerment, DARS Application***