

ABSTRACT

Tristananda, Arrizalu Nurahman Jultsanta. 2024. *The Influence of Website-Based Health Education on Knowledge and Early Detection of Type 2 Diabetes Mellitus Complications in the Working Area of Mojolangu Community Health Center, Thesis, Health Polytechnic of the Ministry of Health Malang, Bachelor of Applied Health Promotion Program. Advisor I: Dr. Farida Halis DK, S.Kp., M.Pd., Advisor II : Fiashriel Lundy, S.Kep.Ns, M.Kes*

Type 2 diabetes mellitus is a metabolic disorder that occurs over a long period of time caused by the pancreas not being able to produce enough insulin or the body being unable to use insulin effectively. The type of diabetes that most people suffer from is type 2 diabetes mellitus. Website media is a new media that has the advantage of being easy to access anywhere and easy to use. The aim of this research is to determine the effect of website-based health education on knowledge and early detection of prevention of complications of type 2 diabetes mellitus. This research method uses a quantitative approach with this type of research using the Pre-Experiment method and One-group pretest-posttest design. The population of this study was 169 people, with a sample of 33 respondents selected using purposive sampling. The results of the research show that there is an influence of website-based health education on knowledge with a p-value of 0.000 or $p < 0.05$, whereas in early detection efforts the p-value is 0.063 or $p > 0.05$, which means there is no influence of health education on early detection of complications of type 2 diabetes mellitus. This occurs because the data in this study is limited to only using a questionnaire, therefore more complete data is needed to determine the level of risk of complications. Recommendations for website-based educational methods are effective for increasing knowledge of preventing complications of type 2 diabetes mellitus, but less effective for early detection of complications of type 2 diabetes mellitus because additional treatment is needed to support more optimal results.

Keywords: Type 2 diabetes mellitus, education, website, knowledge, complications, early detection.