

## **ABSTRACT**

Name : Giffary Raihan Aditya  
Study Program : *Diploma 3 Medical Record and Health Information*  
Title : *Prototype Application Student Mental Health Information System (SIKEMAS) Android based at department of applied health at the ministry of health polytechnic*

*The spread of Covid-19 is inseparable from a series of human social interactions. So that a policy of physical distancing, school and work from home is implemented to limit mobility. During the pandemic period showed much higher levels of anxiety, depression and stress. Based on the results of observations during online lectures and interviews with several students of the Ministry of Health Malang Health Polytechnic Department of Applied Health, concluded that while undergoing online lectures students often experience anxiety, as well as health problems in this case related to anxiety about lectures. The purpose of this study was to design an Android-based SIKEMAS Student Mental Health Information System application prototype as a mental health screening for students at the Health Polytechnic of the Ministry of Health Malang. This study uses the SDLC (Software Development Life Cycle) method with the waterfall model, which is done step by step like running water. The data collection process uses a questionnaire. The population is all students majoring in applied health and the sample is taken using the slovin formula, totaling 94 students. The results of this study are the android-based SIKEMAS (Student Mental Health Information System) application prototype design in the Applied Health Department of the Health Polytechnic of the Ministry of Health Malang. The benefit of this application design is that it can be used as a tool to check students' mental health conditions which is useful for counseling guidance and becomes a forum for students and campuses to monitor student mental health.*

**Keywords:**

*Covid-19, Student, Prototype, Mental Health*