

ABSTRACT

PROTOTYPE DESIGN OF HOMECARE-BASED HEALTH SERVICE APPLICATION FOR TELKOM UNIVERSITY BANDUNG STUDENTS

This research is based on health problems faced by students in the campus environment, including difficulties in accessing adequate health services and lack of awareness of the importance of maintaining health. Despite the availability of health services such as online consultations, many students do not utilize them because they are considered ineffective and impractical. As a solution to this problem, the development of a homecare-based health application that provides online medical consultation, medication delivery, and health information services is proposed. With this service, university students can receive immediate medical care in an environment that is comfortable and familiar to them, allowing them to remain in a familiar place while getting proper and effective care.

The purpose of this study is to help university students overcome obstacles in maintaining their health in an easier and more affordable way, and increase awareness of the importance of health and independence in self-care. Data collection methods in this research include observation, interviews, literature studies, and questionnaires, which are then analyzed using a comparison matrix and SWOT analysis. The result of this final project is the design of an application that facilitates students in self-care without having to meet face-to-face, and provides access to quality health services by offering home medical services, online doctor consultations, medication delivery services, and emergency calls.

This research is expected to improve the accessibility and efficiency of health services for students, reduce barriers to medical care, and provide solutions that are more practical and suitable for their needs.

Keywords: *Health application, Homecare, Online medical consultation, Medicine delivery, students, Telkom University.*