

***Designer and Manufacture of Web-Based Telemedicine at Citra Husada
Hospital Jember***

Bakhtiyar Hadi Prakoso, S.Kom, M.Kom (*Supervisor I*)

Awiera Shalshabila Alifa P

*Study Program Health Information Management
Department of Health*

ABSTRACT

As the twenty-first century begins, the world is confronted by the rise of new medical technologies. Which is has a possibilities to make the doctor more flexibility to work in a cyberspace. This revolution is well known as Telemedicine. Thanks to Telemedicine, the medical services is way much easier now. It can be provided by audio, visual, telecommunication and last but not least it's connecting public facilities although the place between the doctor and patients are separated. This research is aimed at creating a telemedicine system with the framework of Laravel 9 development. The employed development methodology is waterfall. With a point of view from the patients, receptionist, admin, doctors, nurses, and pharmacists. It is intended that the Telemedicine system will make it simpler for patients to communicate with doctors without having to physically see them. In order to speed up services in the medical record unit, this also makes it simpler for medical record officers to process data and report. A function for doctor consultations in the form of video conferences is the outcome of the growth of telemedicine and is readily available in web-based telemedicine at Citra Husada Hospital Jember which is users don't need to download an additional app in order to conduct video conferences, print medical records electronically, or conduct patient visits via telemedicine services.

Keywords: *Telemedicine, Web, Laravel, Video Conference*