

ABSTRACT

With the global outbreak of the coronavirus (Covid-19), the world health situation has been shaken by a major crisis caused by its rapid spread and serious impact on public health. In this context, it is becoming increasingly important to develop technological solutions that can support efforts to deal with Covid-19, especially in the hospital environment. This study aims to design and develop a monitoring system in the form of a Covid-19 patient dashboard that will be integrated with hospital management information systems and the Internet of Things (IoT). The development approach used is the Prototyping process model. This system aims to provide real-time information about the patient's condition to medical personnel while continuously monitoring the patient's vital signs. The hope is that this system can ease the workload of hospitals in treating Covid-19 patients. Evaluation of system usability is carried out through the use of the System Usability Scale (SUS) to measure the extent to which this system can be utilized. The evaluation results with a SUS score of 81.5 indicate that the dashboard has a high level of acceptance among users. Users generally feel comfortable and able to use the system well. This shows that the system has the potential to be well-received by users and meet user needs.

Keywords: Covid-19, Website Development, Prototyping process model, System Usability Scale.