

SMART MONITORING FOR INPATIENTS (SMFI) BERBASIS INTERNET OF THING - IoT

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ABSTRACT

ABSTRAK

In Indonesia, many complaints submitted by patients that they do not get satisfactory medical services from the hospital / doctor. This is due to the limited medical personnel and available facilities. Patient monitoring that requires doctors to visit one by one every day, medical personnel who must always control the condition of the patient at any time, while the medical staff is very limited in number is the problem experienced in almost every hospital. To meet the number of medical personnel and health infrastructure facilities cost is not small. Internet of thing (IoT) is an effort of development and utilization of information technology in everyday life, including in the field of health. IoT in real health will enhance the quality of the health process through patient tracking and monitoring, and economically will also greatly save on medical costs. This will be felt if the IoT field of health can be accessed personally through gadgets that are almost owned by everyone. The development of the Body Sensor Network for Smart Rapid Monitoring Patient (BSN-SRMP) submitted in this proposal will be the answer to the above problems, where doctors, nurses, and patient families can access the conditions sipaseien secarareal time. Produce Body Sensor Network for Smart Rapid Monitoring Patient (BSN-SRMP) that suits the characteristics of hospitalized patients. Know the quality of data acquisition of Body Sensor Network for Smart Rapid Monitoring Patient (BSN-SRMP) according to patient condition. This research is also useful for the development of IoT for medical electronics in Indonesia

Kata Kunci: *IoT, body sensor, medicine*