# ABSTRACT

## *SMART MONITORING PATIENT* DESIGN IN THE ISOLATION ROOM (CASE STUDY: TELKOM UNIVERSITY DORMITORY WITH *COMPUTER VISION*)

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Seeing the current phenomenon of the COVID-19 pandemic, it is very important to implement health protocols and adopt new normal habits. In general, this research aims to contribute telkom university in helping the government / government overcome this pandemic problem. In addition, this research will also design a COVID-19 Patient Monitoring System in the telkom university dormitory building area. In this study, the authors used the approach of the hevner conceptual method. While the method used for problem solving is the M&S (Modeling and Simulation Research) method. The research that will be carried out will also produce updates, namely the role of patient monitoring with the application of this computer vision technology so that COVID-19 patients can be monitored in real time without making direct contact. This research has enormous strategic value and offers real solutions for the Government / government, especially the West Java government which is experiencing difficulties related to providing places for self-isolation.

keywords: *computer vision , isolation room, smart monitoring*