ABSTRACT

At the beginning of 2020 the Covid-19 virus began to enter Indonesia and this virus has a very fast transmission rate from person to person, this makes the government have to move quickly by making Large-Scale Social Restrictions (PSBB) policies which are expected to inhibit the transmission rate of Covid-19 19. -19 in Indonesia. SMP Negeri 1 Karangkobar is one of the schools affected by the PSBB policy made by the government which requires all PPDB implementation to teaching and learning activities to be carried out online or bravely, at the time of PPDB implementation, SMP Negeri 1 Karangkobar still uses media such as brochures, posters , and promotional videos, this raises new problems where students and parents of students who want to register are less able to get information about facilities and school buildings at SMP Negeri 1 Karangkobar. Then the author provides a solution by making an Espensaka Virtual Tour application that can be used as a media understanding for students and parents who want to register their children at SMP Negeri 1 Karangkobar when PPDB takes place. Espensaka Virtual Tour is an application made with 360-degree panoramic images provided with a hotspot and several features such as popups such as images and information that appear in real time. Application development is carried out using the SDLC (waterfall) method. The waterfall method is a method used to build an organized and systematic information system. In the functional testing of the Espensaka virtual tour application, it was carried out using the blackbox testing method on three different smartphones which produced functions that could run well but had problems with the gyroscope which could not run on laptop devices. Then the test using the SUS (System Usability Scale) method with a target of 87 respondents on the questionnaire resulted in an average value of 73.8 which the score according to the System Usability Scale Grade was included in the "GOOD" rating.

Keywords: Virtual tour, SDLC (waterfall) method, Students, PPDB