

ABSTRACT

System Repsoll is a system that serves to make charging the phone by utilizing solar energy. To use this system must enter the coins first. The more users enter the coin and perform the battery charging, the container will be full and the voltage will decrease. For that, need to know the status of the container and value voltage on the system Repsoll. A system that monitors Repsoll is created. This monitoring system uses GSM module (SIM900) so it can transmit data on wireless and sensors ie, 2 MAX471, laser sensor, and LDR. System Monitoring Repsoll can provide substantial voltage and current of the battery, adaptor, and solar cells when using the apps. The system can also notify of the container when using the apps. System monitoring Repsoll is using android applications. Based on the results of testing, this system can already be used to monitoring system Repsoll. This system has succeeded in give information substantial voltage and current in battery, adaptor and solar cell. The system has also been success to give information about the status of coins on the Repsoll system.

Keywords: Repsoll, Monitoring, GSM, and Notification