ABSTRACT

An electric power system requires a protection system that is reliable, selective, sensitive and economical and simple with the ability to detect and deal with disturbances in a fast time so that the continuity of electricity supply to consumers is maintained. The author raised the topic of monitoring equipment maintenance and scada telecommunications at the RTU KEYPOINT (LBS AND RECLOSER) in the UP2D Central Java & D.I.Yogyakarta area, especially the DCC PLN Purwokerto area because it is in the electricity distribution network to consumers in order to minimize disturbances caused by unexpected things.

One of the components of the distribution system that needs to be monitored and controlled is the LBS (Load Break Switch) which functions as a cover and a 3-phase network breaker under load conditions. The maintenance carried out is by checking the condition of the battery and internet modem directly on a regular basis. Problems that occur in the field are also often lost batteries that are stolen by irresponsible parties. In carrying out maintenance, at the time of implementation assisted by a supervisor from UP2D Central Java DIY, and assisted by a third party, namely outsourcing.

Keywords: LBS, electric power system.