ABSTRACT

Along with the passage of time and technological developments are increasingly advanced and modern, of course, affect the pattern of human life. One example of the urgent need of today is the need for safe, affordable, and adequate transportation. PT. Keteta Api Indonesia is a company engaged in the field of land transportation. In the railway system in Indonesia has been utilizing various technologies as a support system that runs. One of the essentials for railways in Indonesia lies in its telecommunication system. The importance of communication systems in railways is helpful in preventing errors in regulatory and coordination systems that may pose an accident risk. Telephones are an alternative to communicate with each other, especially for employees who work in a company. Different types and brands of telephone are available to assist each company's services used to exchange information for employees in one room to another. Telephone used at PT. KAI is an automated phone using MD110 PABX system. PABX used in PT. KAI Daop 5 Purwokerto is type BC13 with 2 units of LIM located in Office of Daop 5 and Kroya. By using PABX MD110 system can help run the railway system through internal communication that is used to communicate between employees in the office and officers in the field with the coverage area of PT. KAI. The weakness of this PABX system is just as voice communication and not yet support for data communication, and not possible for outside communication both local and international apart from region PT. Kereta Api Indonesia.

Keywords: Telecommunication, PABX MD110, Train System