

ABSTRACT

Public transportation service provider PT HS Budiman 45 ensures that the vehicles used are excellent vehicles both in terms of administration and the physical condition of the bus. In this case, the roadworthiness of a vehicle is proven by the existence of a Driving Order (SPJ). In addition, the SPJ also functions as a report for passengers who join the vehicle on each trip. In SPJ processing, a traditional system is still applied where the data storage is still in the form of an archive so that data retrieval is difficult to do and the data is not well organized. This study aims to design a bus management system that can help the SPJ processing at PT. HS Budiman 45 in order to be more optimal and well documented. In this system, the researcher applies the basic concept of microservice architecture so that the maintenance of the system is easy to use, and each service can stand alone so that if an error occurs in one service, it does not interfere with other services. This system consists of several main features, namely checking the vehicle, manufacturing the spj, checking the spj passenger, and checking the spj.

Keywords : Bus Management Information System, Basic Microservice Concepts, Website