

ABSTRACT

This report presents the development of a web application for charging electric vehicles based on the Open Charge Point Protocol (OCPP). This module uses the OCPP 1.6 protocol. This application aims to make it easier to control, monitor, and analyze electric vehicle charging data at Telkom University. Local server development is proposed to reduce dependence on external servers and improve security and stability. The application is designed to provide full control, monitoring, and analysis of electric vehicle charging data, and to minimize security risks associated with the use of external servers. The results of this study show that the developed application can effectively facilitate the management of electric vehicle charging data and improve the security and stability of the system.

Keywords : OCPP, SPKLU, Electric Vehicle, back-end, Charging Point Management, server.