

## **ABSTRACT**

**Indhira Farrasdina (2019081011)**

### **ANALYSIS AND FUNCTION TEST FOR VISITOR MANAGEMENT SYSTEM AT DEPO MRT BUILDING LEBAK BULUS JAKARTA**

*The Visitor Management System is a system combined with artificial intelligence and IoT that helps digitally process the visitor system management which was previously done manually, time consuming, inefficient and human error. This solution is supported by body temperature detection cameras, face capture, ID scanners, QR Code printers, QR Code scanners. The Visitor Management System aims to make the reception and monitoring of guests well managed and easy. This system also reduces unwanted risks, either in the form of criminal elements, terrorism, and other negative actions. The function of this system is to record the presence of guests, monitor the presence and monitor guests who are present. Mass Rapid Transit is public transportation in the form of an electric train. This company has a depot building that contains a place for MRT repairs and administration. PT Netsource Global Technologies is a company engaged in information technology, providing ICT solutions to become the MRT company of choice for the Construction of the Visitor Management System used in the Lebak Bulus MRT Depo Building, Jakarta. This company has collaborated with several institutions and government companies, BUMN, National Private to International Private. Professional Work is a job training where students carry out activities to apply and display the knowledge that has been learned in lectures. Professional Work provides an opportunity for students to experience working in a company. In this Professional Work activity, the practitioner performs a function test on the application and ensures the application runs properly according to the requirements of the user. This guest control system is run by using a QR Code for guests entering the building so that guest data can be stored in their every move.*

**Keywords:** *Visitor Management System, MRT, Function Test, QR Code, Professional Work*