

SISTEM AKSES PINTU KARYAWAN BERBASIS SUHU TUBUH, DAN SENSOR RFID

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ABSTRACT

In this Industry 4.0 era, technology has developed in various fields, one of which is the security sector. The security in question also includes many things, starting from personal data, health data, vehicle security, door access security, and so on. Within the scope of the company, there have also been developments that were initially still carried out conventionally, to become more concise and efficient by utilizing existing technology. An example is security in access to certain rooms in the company. Many companies still use keys to open certain doors, of course, the security is still low. Keys are very easy to duplicate at locksmiths, of which there are also many around us. As a result, in this study, researcher will design a system for access to a company room using two sensors, an RFID and a body temperature sensor, which not only provides increased security but also checks employees' health by measuring their body temperature. In its development, it is also expected to be able to use the Internet of Things to access doors in an emergency

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