

## ABSTRACT

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*Along with the times, technology is growing rapidly and the need for technology increasingly needed. It makes people want to live safe but practical. Like on campus Telkom that requires a technology in lecturer cubicles room in order to maintain the security of the room so as not entered by another person who are not the owner of that room. As we all known that lecturer cubicles room in Telkom University Faculty of Applied Sciences does not use the door, that will causing a lack of security levels in that room because anyone could entered, that could be a student, lecturer or other campus workers. Therefore, were created doors that can be used in lecturer cubicles room. These doors are automatic door that can be open or closed based on the distance from the transmitter and the receiver should be within range. in addition, on this prototype there an RFID reader as an alternative if the lecturer had forgotten to bring the transmitter to open the door. and also there are two button inside the room to open or close the door if lecturers do not want disturbed.*

*Keywords: RFID, Receiver, Transmitter, Raspberry Pi, Phyton.*