

**SISTEM PARKIR BERBASIS BARCODE MENGGUNAKAN MEDIA  
KARTU PELAJAR DI SMA N 1 MRANGGEN**  
*(BARCODE-BASED PARKING SYSTEM USING STUDENT CARD MEDIA  
IN SMA N 1 MRANGGEN)*

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***ABSTRACT***

*Increased human need will trigger the development of technology, the development of computer technology today has brought rapid influence in various fields one of which is the educational institution. In SMA N 1 Mranggen still not so touchable by technology because its location is far from urban, this makes it difficult for the development of the agency to take advantage of technology, especially parking technology, of course this will cause adverse effects for the agency, especially in terms of security and comfort. The existence of barcode technology that can be used as data processing, it is quite interesting for some companies to take advantage of one of them in the parking problem In SMA N 1 Mranggen. Therefore it is necessary to develop an application concept that can help efficient parking mechanisms and assist officers in terms of maintaining security, especially by utilizing barcode technology. Application developed using waterfall method and implemented in student card media by utilizing barcode to read data from vehicle owner.*

*Keywords: Parking, Barcode and Student Card.*