

ABSTRACT

ALGORITHM FOR APPLICATION OF BRUTE FORCE TO ALLOCATE OF BOOKS FOR TAMAN BACAAN IN BANDAR LAMPUNG CITY BASED ON ANDROID

By

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Taman Baca is a source of information that plays a significant role in creating a literate society because it functions as a source of information on science, technology, and culture. The donors provide the books; however, they cannot cover all the demand literacies. Therefore, it requires a system to overcome this issue.

The software used a brute force algorithm and was developed using a Prototype method which consists of Communication, Quick Plan, Modeling Quick Design, Construction of Prototype, Deployment Delivery & feedback. The symbols used as a modern approach to modelling are Use Case Diagrams, Activity Diagrams, Class Diagrams, and Sequence Diagrams. To test the software, we use Black Box Testing techniques, also called behavioral testing, where this test focuses on functional requirements.

The result is Taman Baca Book Donation software, an alternative to donating books and getting information requirements books.

Keywords: *Bruteforce*, Taman Baca, Book Donation App.

