ABSTRACT

DEVELOPMENT OF INFORMATION SYSTEM OF ADMISSION SELECTION FOR BBM SCHOLARSHIP AT DEPARTMENT OF COMPUTER SCIENCE UNIVERSITAS LAMPUNG BY IMPLEMENTING MERGE SORT AND INSERTION SORT METHOD

By

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Information System of Admission Selection for BBM Scholarship at Deparrment of Computer Science, Faculty of Mathematics and Natural Science Universitas Lampung is still experiencing adversities because of the large number of students who apply such scholarship. With system of admission selection for scholarship, it's expected to help the department in acceptance of scholarships and simplify user to access the scholarship. System of Admission Selection for BBM Scholarship implemented two methods: *Merge Sort* and *Insertion Sort,* both methods are used to determine which method is faster and more efficient by its running time and complexity. The result of this research shows that *Merge Sort* method is faster than *Insertion Sort* based on the amount of data. From data of functional testing based on test case testing and questionnaire known that this system can work "in accordance" with the analysis.

Key Words : Information System, Beasiswa Bantuan Belajar Mahasiswa (BBM), *Insertion Sort*, *Merge Sort.*