

## ABSTRACT

**THESIS TITLE** : **THE APPLICATION OF THE MOORA METHOD IN FEASIBILITY OF PUBLIC TRANSPORT BASED ON KIR TEST AT THE TRANSPORTATION OFFICE OF BATUSANGKAR**

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**STUDY** : **INFORMATION SYSTEM**

**PROGRAM DEGREE** : **STRATA 1 (S1)**

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The need for public transportation as a means of transportation is very much needed, especially in urban areas including the city of Batusangkar. This is because the city of Batusangkar is one of the densely populated cities. Therefore we need a system that can handle this problem to determine the feasibility of public transport based on the kir test. This system is expected to be able to assist agencies in determining the feasibility of public transportation based on the kir test, so as to minimize the occurrence of subjective assessments and the information generated by the system can be used as a basis for decision making for the agency.

**Keywords:** *Public Transport Selection, Decision Support System, Multi Objective Optimization by Ratio Analysis, PHP, MySQL.*

## ABSTRAK

**JUDUL SKRIPSI : PENERAPAN METODE MOORA DALAM  
KELAYAKAN ANGKUTAN UMUM  
BERDASARKAN UJI KIR DI DINAS  
PERHUBUNGAN BATUSANGKAR**

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Kebutuhan akan angkutan umum sebagai salah satu sarana transportasi sangat diperlukan khususnya di wilayah perkotaan termasuk di kota Batusangkar. Hal ini disebabkan karena Kota Batusangkar termasuk salah satu kota yang padat penduduk. Oleh karena itu diperlukan sistem yang dapat menangani masalah tersebut untuk menentukan kelayakan angkutan umum berdasarkan uji kir. Sistem ini diharapkan mampu membantu pihak instansi dalam menentukan kelayakan angkutan umum berdasarkan uji kir, sehingga dapat meminimalisir terjadinya penilaian yang bersifat subjektif serta informasi yang dihasilkan oleh sistem dapat dijadikan sebagai dasar pengambilan keputusan bagi pihak instansi.

**Kata Kunci : Penyeleksian Angkutan umum, Sistem Pendukung Keputusan, Multi Objective Optimization by Ratio Analysis, Visual Basic Net 2017, MySQL.**