ABSTRACT

DECISION SUPPORT SYSTEM FOR DETERMINING MAJOR USING NAÏVE BAYES ALGORITHM (CASE STUDY: STT MUSI PALEMBANG)

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There are many educations in Indonesia, they are likes : primaryschool, junior high school, senior high scool and university. Determine primry school, junior school, though senior high school it's not difficult thing but for continue to higher education not just involving the university never theless the major on that university.

This research build decision support system for determining major. System will give suggestion to candidate university student to choose major based on criteria already have specific criteria. Each criteria are gender, highschool origin, major in highschool and final test score. This system build by algorithm naïve bayes, where algorithm is one of all algorithm have good level accuration to get result of the experiment. Research do with waterfall methodology.

The result of system will be testing with 40 data university student from STT Musi generation 2011 with randomelection. Based on result this system testing have accurate 0,525 with error rate 0,475.

Keyword: Naïve Bayes, Major, criteria, waterfall.