

ABSTRACT

**PENGEMBANGAN SISTEM VERIFIKASI MATA KULIAH DENGAN
PARSING DATA TEXT TRANSKRIP SIAKAD PADA
JURUSAN ILMU KOMPUTER**

By :

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In this research, the development of verification systems courses. IT aims to accelerate the process of checking the existing curriculum in computer science majors. Course verification systems was developed with the search string matching method which has two parts programming methods: exact matching and heuristic matching. Exact matching programming method using a brute force algorithm has shortcomings because it does not have the preprocessing phase. Meanwhile, heuristic matching algorithm using n-gram similarity as it can check the detail . The results shows brute-force algorithm more quickly in running time results. But n-gram similarity algorithm is more efficient in checking if there some difference in one or more character in kopel and course.

Key Word: Systems, Verification, transcripts, curriculum, String Matching, Exact Matching, Heuristic Matching, Brute Force, N-gram Similarity.