

## ABSTRACT

### COMPARISON OF THE PERFORMANCE OF THE C4.5, NAÏVE BAYES AND K-NEAREST NEIGHBOR METHODS IN ESTIMATING THE LONG WAITING TIME ALUMNI GETS JOB

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In arrange to progress the quality of graduates, the Pringsewu College Founded has conducted investigate to degree the forecast of holding up time for graduated class in getting a work by employing a comparison of the 3 calculation strategies of C45, Credulous Bayes, and KNN. In the expectation think about of the holding up time expectation o f 180 information from the graduated class of Pringsewu understudies utilizing 3 comparison strategies C4.5, Naïve Bayes and K-Nearest Neighbor, the comes about of handling utilizing program quick mainer studio instructive 9.5.001 were .66.67% of dynamic understudies. and not effectively partaking in understudy exercises with a GPA = fulfilling, having victory, so the prediction of time pressures to induce a work is quicker than understudies who don't take an interest in understudy exercises, while .33.33% of understudies who are not effectively taking part in understudy exercises with IPK = palatable, have conservation, at that point foresee the time tense time to urge a job.

***Keywords: expectation of holding up time for graduated class to urge a work, c45, naiv***

## INTISARI

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Perguruan tinggi stmik pringsewu dalam rangka meningkatkan mutu lulusan maka telah di lakukan penelitian untuk mengukur prediksi lama waktu tunggu alumni dalam mendapatkan pekerjaan dengan menggunakan perbandingan 3 metode algoritma c45, naive bayes, dan knn. Pada penelitian Prediksi waktu tunggu dari 180 data alumni mahasiswa stmik pringsewu dengan menggunakan 3 metode perbandingan C4.5 , Naïve Bayes Dan K-Nearest Neighbor di peroleh hasil pengolahan menggunakan software rapid miner studio educational 9.5.001 sebanyak .66,67% mahasiswa yang aktif dan tidak aktif mengikuti kegiatan kemahasiswaan dengan ipk = memuaskan ,memiliki presatasi ,maka prediksi masa tenang waktu untuk mendapatkan pekerjaan lebih cepat dibandingkan dengan mahasiswa yang tidak mengikuti kegiatan kemahasiswaan ., sedangkan .33,33% mahasiswa yang tidak aktif mengikuti kegiatan kemahasiswaan dengan ipk = memuaskan ,memiliki presatasi ,maka prediksi masa tenang waktu untuk mendapatkan pekerjaan .

***Kata Kunci: prediksi waktu tunggu alumni mendapatkan pekerjaan,c45,naive bayes,knn***