

## **Abstract**

Before graduate, students need to be directed to choose their career, for example in IT Telkom. Therefore, IT Telkom provide CDC (Career Development Center). CDC provides job vacancy informations for IT Telkom students whom have been graduated. There are so many job vacancy in which make the applicant need to be directed so that their career match their scope of study. The aim of this study is to fine patterns to predict and recomend applicant determine their job. This study uses GARC (Gain based Association Rule Classification) algorithm to establish the rules which will be used as parameter to predict the job. From the testing result, the used of information gain makes the result more accurate than not using information gain. While for the other testing is using confidence and support. With the result confidence 0.51 and support 0.01 and confidence 0.51 and support 0.001, the best accuration is 60%. The result from this study is to predict applicant job based on their scope of study.

**Keyword** : GARC, job vacancy, confidence, support, information gain