

## ABSTRACT

Electronic mail (email) has growth to be one of important communication tool in changing information, socialization or organization relationship. Unsolicited Automated Email (spam email) come to threatening as communication medium. Email's users spend an increasing amount of time for reading messages and deciding whether they are *spam* or *ham*. This year's 17th European Conference on Machine Learning and European Conference on Principles and Practice of Knowledge Discovery in Databases (ECML PKDD 2006) give a case to developed Email Spam Filtering based on available mail box. This final project is implement Bayesian Network for Email Spam Filtering based on tuning data for task\_a.

**Kata Kunci : Email, Spam, Ham, ECML PKDD 2006, Bayesian Network, Email Spam Filtering, Tuning Data.**