

## **ABSTRACTION**

*Spam mail is an email which sent continuing form thousand of email users and usually contain of product/services/business promotion, pornography, virus and unnecessary emails. Until now, spam mail issues keep blooming by the developing software as well, email filtering using variant of methods such as naïve Bayesian classification, address block, association rules and other methods. From lots of email filtering methods, seems naïve Bayesian has more accurateness level. In this final exam, writer would like to explain the naïve Bayesian classification method of email filtering.*

*Naïve Bayesian filter was developed by bunch of email which had been classified into spam mail and legitimate mail. Processing of the email content is done by the tekonzing method, scoring and combining. By learning process, the email filtering expected to be more accurate.*

*Keywords : email filtering, bayesian filter, naive bayes, spam mail, legitimate mail*

## ABSTRAKSI

*Spam mail* merupakan *email* yang dikirimkan ke ribuan pengguna *email* secara kontinyu dan biasanya berisi promosi produk/jasa/usaha, pornografi, virus dan *email-email* yang tidak kita inginkan. Hingga saat ini permasalahan *spam mail* terus berkembang seiring berkembangnya perangkat lunak *email filtering* dengan menggunakan berbagai metode, seperti klasifikasi *naive bayesian*, *address block*, aturan asosiasi dan berbagai metode yang lain. Dari sekian banyak metode *email filtering*, klasifikasi *naive bayesian* memiliki tingkat akurasi yang tinggi. Pada tugas akhir ini penulis akan mencoba untuk menjelaskan *email filtering* dengan menggunakan metode klasifikasi *naive bayesian*.

*Naive bayesian filter* dibangun dari sekumpulan *email* yang telah diklasifikasikan ke dalam *spam mail* dan *legitimate mail*. Isi dari *email* diproses dengan metode *tokenizing*, *scoring* dan *combining*. Dengan proses *learning*, diharapkan hasil dari *email filtering* ini semakin akurat.

**Kata kunci** : *email filtering*, *bayesian filter*, *naive bayes*, *spam mail*, *legitimate mail*.