PROJECT REPORT

Intrusion Detection System (IDS) Using Genetic Algorithm And Port Scanning

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COMPUTER SCIENCE FACULTY

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APPROVAL AND RATIFICATION PAGE

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And Port Scanning

This Project Report has been approved and ratified by Dean of Computer Science Faculty on 20th January 2011

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STATEMENT OF ORIGINALITY

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Hereby certify that the project I made was the result of masterpiece alone and it is not a plagiarism, except those started in print that it taken from other writing. If it is proved in later days that the project is the result of rubbing, hence I settle for sanction.

Semarang, 20th January 2011

Budi Santoso
NIM. 07.02.0055

FOREWORD

Finally, I could finish my project with the title of: Intrusion Detection System (IDS) Using Genetic Algorithm And Port Scanning. There are a lot of experience when working on this project, whether bad or good. These things made me become a better and closer to god. on this occasion I would like to thank:

1. My Lord, Jesus Christ that give me bless to finish this project
2. My parents, my brother, my sister and my big family for their support.
3. Mrs. Rosita Herawati, ST, MIT as my supervisor for helping, guiding, and giving me ideas and advice.
4. Other lecturers in the faculty of computer science that guided me while studying in this faculty.
5. All my friends who provide support and assistance during the work on this project.
6. Others who provide assistance and support that I can not mention one by one.

Last but not least, I would like to apologize for any mistake I have done in completing this project, and accordingly constructive critics and suggestions would be welcome.

Semarang, 20th January 2011

Budi Santoso

ABSTRACT

This application is used to detect intrusion in a computer. To detect intrusion use genetic algorithms adoption. Value of fitness in genetic algorithms are helpful in determining whether the Ip address is categorized as intrusion or not. In addition, this application also can scan port, scan log, rootkit file scan, and rootkit trojan scan. Programming language used to create this application is Java and GUI language to create user interfaces.

Keyword : intrusion detection, ids, genetic algorithms, intrusion.

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