



**EMERGENCY UNIT PREDICTION BASED ON USER
INPUT USING NAIVE BAYES ALGORITHM**

UNDERGRADUATE THESIS

**Submitted as one of the requirements to obtain
Sarjana Komputer (S.Kom.)**

By:

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**FACULTY OF COMPUTING
INFORMATION TECHNOLOGY STUDY PROGRAM**

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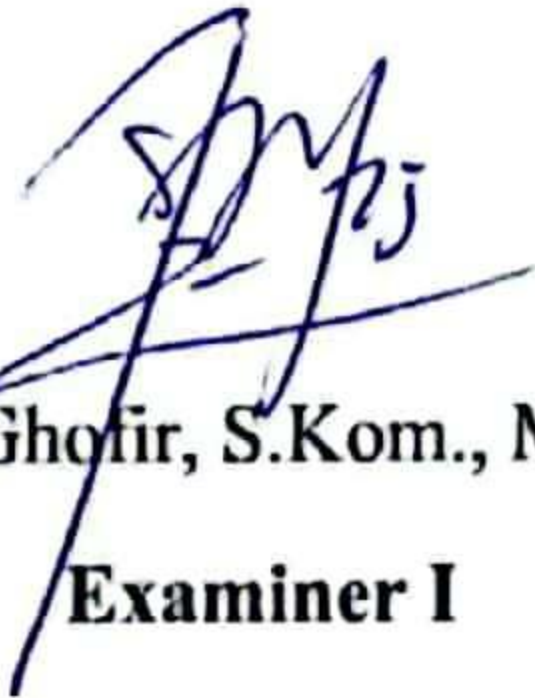
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ABSTRACT

The Emergency Response App is a powerful software application designed to simplify the emergency response process and increase the efficiency of emergency service units such as Ambulance, Police, and Fire services. This application aims to provide a centralized platform for managing emergency events, dispatching appropriate units, and facilitating a quick and effective response to critical situations.

One of the main functions of this application is its ability to collect incident details, such as location, and type of emergency, through an easy-to-use interface. This information is then sent to a central system, where it is processed and analyzed to determine the most suitable response unit. By automating the incident reporting process, emergency services can significantly reduce response times and allocate resources more efficiently.

Additionally, the app uses advanced algorithms, including the Naive Bayes algorithm, to analyze event data and predict the right units to ship based on historical patterns and situational factors.

Security and confidentiality are especially important in applications that deal with emergency situations. The Emergency Response app implements strong security measures to protect sensitive data and ensure compliance with privacy regulations. User authentication and authorization mechanisms are implemented to limit access to only authorized personnel, thereby preventing unauthorized individuals from modifying critical information.

In conclusion, the Emergency Response App is revolutionizing the way emergency services operate by providing a centralized and efficient platform for managing emergency events. With incident reporting, unit allocation, real-time tracking, and data analysis features, this app empowers emergency response teams to provide fast and effective assistance in critical situations. By harnessing the power of technology, Emergency Response Apps contribute to saving lives and keeping communities safe by increasing the effectiveness of the overall emergency response system.

DEDICATION

I dedicate this final project to my parents, my brother, my sister, my little sister, my thesis supervisor (Mr. Nur), and my friends who always support me in any condition. Finally, for myself, I am very proud of myself who until now can still struggle and not easily give up until this final project is completed. Thank you, Allah, for helping me, strengthening me, and protecting me until now.

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