SOFTWARE DEVELOPMENT FOR SPRINKLER CALCULATION

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" I declared that this is the result of my own work except the ideas and summaries which I have clarified their sources. The thesis has not been accepted for any degree and is not concurrently submitted in candidature of any degree."

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ABSTRACT

A fire sprinkler system is one of the fire fighting equipment that is required in a building, especially commercial building. It is important to determine the correct pipe size and pressure loss in the piping network of the fire sprinkler system. Thus, this project is to develop a software which can handle the tremendous and complex calculation involved. The first objective of this project is to provide a user-friendly environment for the end user. Since the target user are non-professionals, it is intended to be build for easy understanding, provided that the user has basic knowledge and understanding of Mechanical Building Services area. The second objective is to make this project to become a pioneering move to publish software on sprinkler calculation by the local students who are involved in Mechanical Building area.

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