



FLIP FLOP WATER FOUNTAIN

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“I declared that this thesis is the result of my own work except the ideas and summaries which I clarifies their sources. The thesis has not been accepted for any degree and is not concurrently submitted in candidate of any degree”

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ABSTRACT

A flip flop water fountain is an automation water fountain that implement the concept of latches in the system. The design of the water fountain should consider the parameters that affect the water jet pattern as the output of the water fountain. Thus, the objectives are to develop Arduino base pump controller besides to study the parameter of the projects which are projectile angle of attack and distance between basin. The invention of an automated water fountain able to become one of the attractiveness for certain locations such as par, shopping center and garden (Maier, Holonec, & Dragan, 2017). Then, the specialty of the water fountain that able to produce various of effect should consider in technical aspect especially in application of engineering and its their artistic. (Shakerin, 2004). To achieve the objective of this project, the prototype of the project should be produced so an experiment able to conduct. Then, the conducted experiment able to obtain the requirement parameters such as velocity of the water jet, angle of attack and distance between basins. Justify the obtained data by comparing the graph with similar theory that being used in the project.