***ABSTRACT***

*Hydroponics is an alternative for people who want to garden, but do not have enough places to grow crops. Hydroponics is a method of cultivating plants by using water without using soil, with emphasis on the fulfilment of nutritional needs for plants, but there are other disturbances such as extreme temperatures, high temperatures damage the enzymes so that metabolism is not going well. Low temperatures also cause the enzyme is inactive, and metabolism stalled.*

*The making of this system uses data collection by taking data with a survey to the field that is in greenhouse UNPAD Jatinagor, literature study supporting the problem-solving theory and Unified Modeling Language (UML) to a model system, DSRM methodology for research methodology and fuzzy logic controller as a method to defend the value of temperature.*

*The system was build to provide ease in doing control or stabilise the temperature at set points at around 29 Celsius.*

***Keywords: System, Hydroponic, UML, FLC, Temperature Control***