**Combi Boiler System Modeling with Fuzzy Inference Mechanism and Fuzzy Copras Method**

Recently, efficiency and productivity have been extremely important for the use of environmental resources due to economical and environmental reasons. Ineffectively used energy sources have become a financially huge burden for nondependent economies. Irresponsible use of energy sources causes serious problems such as air pollution and global warming. The aim of this study is to determine the optimum operating level of the combi boiler in order to facilitate its use. This study was conducted utilizing the Copras multi criteria decision making method and fuzzy inference mechanism. Combi boiler automation mechanism is provided with the study.