

## ABSTRACT

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This coffee machine is based on Arduino Uno, there are 4 coffee menu choices namely Black Coffee, Milk Coffee, *Cappucino* and *Mhoccacino*. The menu selection on the coffee machine is carried out via an Android-based *Smartphone*, communication from an Android *Smartphone* with a coffee machine uses *bluetooth* HC05 which has a frequency of 2.4 GHz and a maximum control distance of 30 meters without obstacles and 10 meters with obstacles, the processing time for 1 cup of coffee is 8 seconds. and the amount of water for each process is different because the filling of water is based on time not based on the amount of water *discharge*. The coffee machine is equipped with an LCD as an information display from the coffee machine, a *proximity* sensor functions to detect the glass, a water pump functions to flow water into the glass and a servo serves as an opener or closing of the coffee powder retaining valve from the coffee powder storage tube. The filling of coffee grounds on the coffee machine is done automatically by the user, the Android application as a coffee machine controller is made using the *MIT* Inventor application that can receive and display information received from the coffee machine.

*Keywords: Coffee, Machine, Smartphone, Android*