ABSTRACT

there are still a number of problems in the farm, that are have to check and ensure that the conditions are always clean, and clean the cage manually / directly to the cage by spraying or so on, which should not be necessary and waste a lot of energy. All activities can be carried out practically therefore, this system is expected to be a new innovation to solve problems in the world of livestock especially in cleaning. Smart cage is a project that operates through the web and android, equipped with a wifi module to connect to the android application, then a conveyor to remove dirt, and ash dispenser to sprinkle ash on the dirt so that it doesn't stick and not cause a very strong odor, therefore a tool is made in the form of a smart cage that can be monitored and controlled using the web and android. Features that available in the tool is, an ON / OFF button, a scheduling system for smart cage, Notifying users when the cage must be cleaned and remaining ash.

Keywords *: monitoring application, controlling, schedulling, smart cage, nodemcu, chicken farm*