The Effect of Ethanol Extract of Ketepeng Cina (Cassia alata L.) on the Macrophages Activities and Capacities. Ketepeng cina (KC) (Cassia alata L.) has already been reported to stimulate the immune response. The current study investigates the role of KC on mice macrophages activities and capacities. Twenty four Swiss mice were divided into 6 equal groups. The first control group (Group I), received phytohemaglutinin. The second control group (Group II), was given CMC Na 0.5%. The third control group (Group III), was given aquadest. The cases group: group IV received 42 mg ethanol extract of KC/20 g BW, group V received 84 mg/20 BW, and group VI received 168 mg/20 g BW. These were admonished orally on day 1 until 7. On day 8, Staphylococcus aureus (SA) were injected intraperitoneally. The macrophages activities and capacities were counted on slide smears of mice peritoneal fluid. According to enhancement of dose, either the macrophages activities or capacities were found. The lowest activity encounter on the negative control (group II and III) followed by Group IV, V, positive control (group I) and group VI.

*Keywords*: macrophage, ketepeng cina, Cassia alata, mice