

ABSTRACT :

**THE POTENCY ANTI ALLERGY OF GARLIC (*Allium sativum*) EXTRACT
ON IMMUNOGLOBULINE E PRODUCTION IN MICE WERE INDUCED BY
OVALBUMIN**

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We investigated the potency of garlic extract on immunoglobuline E production in mice. The garlic extract was orally administered to mice before injected intraperitoneally with ovalbumin, and the level of IgE in serum was determined. The mice were divided into the control groups were saline perorally, garlic extract groups received doses of 100; 200 and 400 mg/kg garlic extract (peroral) respectively. This was followed by the administration ovalbumin at dose 1µg/g BW through the intraperitoneal route 60 min after administration garlic extract or saline. Results indicated that the increase in immunoglobuline E production after ovalbumin injection was significantly prevented by preadministration of the garlic extract at 400 mg/kg BW but not garlic extract at 100 and 200 mg/kg BW. These results suggest that garlic extract at dose 400 mg/kg BW has anti allergy properties.