

ABSTRACT :

**THE POTENCY OF GARLIC (*ALLIUM SATIVUM*) EXTRACT
AS ANTI ALLERGY IN RAT WERE INDUCED BY OVALBUMIN**

**Maftuchah Rochmanti and *Sri Agus Sudjarwo
Faculty of Medicine and * Faculty of Veterinary Medicine
Airlangga University, Surabaya**

The potency of garlic extract as antiallergy in rat were investigated. Garlic extract was evaluated for antiallergy effect by ovalbumin-induced rat paw edema. Sprague Dawley Rats 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 500 µg/kg BW through the intraplantar route 30 min after administration piperine or saline. After the ovalbumin injection was measurement of paw volume. The garlic extract in doses of 100; 200 and 400 mg/kg BW showed 5.4 %; 43.8 % and 54.8 % inhibition of paw edema respectively at the end of three hours. The increase in paw volume 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 antiallergy properties