

**IDENTIFICATION AND PREVALENCE OF WORMS IN THE  
GASTROINTESTINAL OF WILD RAT (*Rattus* sp.)  
IN THE MARKET TRADITIONAL  
SURABAYA CITY**

Nadia Safira Athaya

**ABSTRACT**

Rats are rodents (*rodentia*), they are pests and reservoir of intestinal worms in humans and animals which have the potential for zoonosis. Wild rat (*Rattus* sp.) might be found in the traditional market in large number. This study aims to identify the types of parasitic worms, determine the prevalence of worm parasites which infect the gastrointestinal of wild rat (*Rattus* sp.) and difference between a worm infections in the gastrointestinal of wild rat (*Rattus* sp.) male and female in the traditional markets of Surabaya City. The method used was gastrointestinal surgery and then worms staining were done using *Semichen-Acetic Carmine*. It was find five worm parasites namatode class *Nippostrongylus brasiliensis*, *Subulura andersoni*, *Syphacia muris*, *Gongylonemaneoplasticum* and cestoda class *Hymenolepis diminuta* with a prevalence of 100%.

**Key Words:** Wild rat, worm, traditional market, gastrointestinal.