



ChemTech

International Journal of ChemTech Research

CODEN (USA): IJCRGG ISSN: 0974-4290

Vol.9, No.03 pp 384-389, 2016

Life Cycle *Sarcoptes scabiei* and Pathogenicity Mite in Boarding School Malang, Indonesian

Yahmi Ira Setyaningrum¹, Mohamad Amin², Utami Sri Hastuti²,
Endang Suarsini²

¹Postgraduate Biological Education in Malang State University

²Biology Department – Faculty of Mathematics and Natural Sciences – Malang State University

Abstract: Scabies is a sort of skin disease caused by *Sarcoptes scabiei* var *hominis*, that a parasites mite species in human skin. These mites could spread and transmitted easily, so it needs to study for the life cycle and the pathogenicity. This research is done to identify and describe the phases in the mite life cycle, and the mites pathogenicity. The mites were isolated from student skin tissue from the boarding school at Malang Raya. The research is an observational study. The mite life cycle consists of egg, larva, nymph and imago phases. The mite's pathogenicity to students is 85% in the form of lesions without secondary infection, the lesions with secondary infections is 15%. This research results is a primary research results information for the next research in order to the scabies prevent in the boarding school students skin.

Key words: scabies, life cycle, pathogenicity, mites, boarding school student.

Yahmi Ira Setyaningrum *et al* /International Journal of ChemTech Research, 2016,9(3),pp 384-389.
