

**THE SCREENING OF *Giardia* spp. FROM COW DUNG IN
KUALA PILAH**

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ABSTRACT

THE SCREENING OF *Giardia* spp. FROM COW DUNG IN KUALA PILAH

Parasite can be transmitted to human via animal as the reservoir and this is called as zoonotic transmission. Animal that infected with *Giardia* spp. will eventually excrete faeces with cyst or trophozoite, thus caused infection in human. This study aims to isolate *Giardia* spp. cyst from cow dung and to identify the presence of *Giardia* spp. in cow. Thirty samples of cow dung were randomly collected within Kuala Pilah area then stained with modified Wheatley's trichrome stain. Ten samples were positives cysts and trophozoites of *Giardia* spp. *Giardia* spp. cysts were stained with purple colour and range 10 to 15 μm in oval size. Mature cyst has four nuclei while immature cyst has two nuclei. Trophozoite of *Giardia* spp. was seen in pear-shaped measuring 12 to 15 μm . Flagella of the trophozoite cannot be seen because it is poorly stain. Until this date, there is no reported study on the presence of *Giardia* spp. in Kuala Pilah and this result is the evidence that there is a potential outbreak of *Giardia* spp.