

**SEX RATIO MALE AND FEMALE FETUS IN MICE (*Mus musculus*)
AFTER INJECTION WITH HY-Antisera IN ADULT MICE (*Mus musculus*)
WITH INTRAVENOUS TRANSMISSION**

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ABSTRACT

This research aimed to compare the number of male and female mice pup birth in one single period of gestation in HY-Antisera injection. This study used two groups, sample P0 (PBS) as a control and P1 (HY-Antisera) as a treatment. The treatment was given after previously projecting estrous synchronization by administering PMSG and hCG, continued by mating the mice until showed vaginal plug in 17 hours. P0 was injected with PBS while the P1 was injected with HY-Antisera via intravenous transmission 24 hours after mating. The sex identification later performed after 3 weeks post birth. The number of litter size in one period of birth between P0 and P1 in comparison is not too significant ($p>0.05$), whereas the ratio number of male is quite significant ($p<0.05$) compare to the female ($p>0.05$). Base on that research can be concluded that HY-Antisera that were injected after mating can change sex ratio with decreasing the number of male mice but not female.

Key words : HY-Antisera, sex ratio, intravenous