ABSTRACT

AULIA MIFTAKHUR RAHMAN. Reproductive Performance of Indonesian Racehorses. Under direction of AMROZI.

The efficiency of Indonesian racehorse’s reproductive strategies could be determined by its reproductive performance. This study was aimed to determine the performance and reproductive disorders of Indonesian racehorses. In 2010, there were 310 Indonesian racehorses mares examined in various stable spread on the Java Island and Madura Island. Early pregnancy examinations were generally performed on days 18 and 20 after mating using perrectal ultrasonography. Pregnancy rate recorded were 65.07% (190 mares) of the 292 mares that mated one or more times. Pregnancy disorders detected were twin pregnancy (6.32% or 12 mares), early embryonic death (7.37% or 14 mares) and, 1.29% abortion from 190 pregnancy. Records of reproductive system disorder were pyometra (1.29% or 2 mares), endometritis (15.81% or 42 mares), and ovarian hypofunction (4.52% or 13 mares) of all mares were checked.

Keywords: Indonesian racehorse, pregnancy rate, reproductive disorder, reproductive performance.