Pengaruh Pemberian Dekok Daun Sirih Hijau (Piper betle) Dan Daun Sirih Merah (Piper crocatum) Terhadap Penurunah Suhu Tubuh Tikus Putih (Rattus norvegicus)

Oleh: Wuri Eka Octavi (06330051)

Biology

Dibuat: 2010-11-24, dengan 7 file(s).

Keywords: Kata kunci: daun sirih hijau, daun sirih merah, tikus putih, suhu tubuh

ABSTRACT

Fever is the increment temperature above normal. On children, the temperature above normal is around +37°C. Most parents have no idea about that fever is not a disease but a signal or the symptom that body get infection. Infection in the body is caused by virus, bacteria, fungus, or parasite. All organs in the body get infection. For instance, it attacks bronchial tube and cause cough, cold and laryngitis. Infection also can attacks ear, ear tube, ureter, digestion channel and others (Dewi, 2001).

The purpose of this study is to know the influence of giving piper betle and piper crocatum toward the decrement temperature of white rat (Rattus norvegicus). Time and date of this experiment is conducted in Chemistry Laboratory University of Muhammadiyah Malang on 20-21 July 2010. Variables in this experiment are the concentration of piper betle and piper crocatum, the decrement temperature on white rat body, time, dosage, and temperature. This experiment use complete random design by 5 treatments; they are P1 (DPT vaccine), P2 (paracetamol), P3 (piper betle 40 mg/gr), P4 (piper betle 80 mg/gr), P5 (piper betle 120 mg/gr), and 3 times of repetition by using one-way variant analysis.

The result of this experiment by many dosages of piper betle and piper crocatum shows that it influences significantly toward the decrement temperature of white rat body. Giving dosage of piper betle 40 mg/gr average weight, the decrement temperature is 37°C, piper betle 80 mg/gr average weight, the decrement temperature is 36.6°C, piper betle 120 mg/gr average weight, the decrement temperature is 36.8°C, while treatment of piper crocatum has influence in the decrement temperature of white rat body. Giving dosage of piper betle 40 mg/gr average weight, the decrement temperature is 36.6°C, piper betle 80 mg/gr average weight, the decrement temperature is 36.4°C, piper betle 120 mg/gr average weight, the decrement temperature is 36.3°C, and group treat by paracetamol get temperature decrement on the body of 36.5°C and those who given by DPT is 36.8°C.