Fever is the make-up of temperature above is normal. At children, temperature above normal range from ± 37oC. Old many people which not yet understood, fever is not a disease, but symptom or sign that in our body is happened infection. When bacterium or virus come into body, various phabocyte type or leucocyte discharge ”zat cause of fever (pirogen endogen)” later on trigger production of prostaglandin E2 in anterior hipotalamus, then improve value float temperature and happened fever. Most society when fever often consume drug of down hot like parasetamol, antalgin, aspirin and others, what is each owning zat content of antipiretik and of analgesik. By using crop medicinize that is kemangi (Ocimum basilicum) pregnant many content of eugenol carbohydrate and used as antipiretik because eugenol can pursue forming of prostaglandin able to degrade body temperature.

Target of this research is to know influence giving leaf filtrat of kemangi (Ocimum basilicum) to degradation of white mouse body temperature (Rattus norvegicus) and to know dose giving leaf filtrat of kemangi (Ocimum basilicum) can degrade body temperature maximally at white mouse (Rattus norvegicus). This Research is eksperimental really (True Eksperimental Research). Place and research time executed in Chemical Laboratory University of Muhammadiyah Malang on 15 December- 6 January 2008. Research device the used is Complete Random Device (RAL) by 6 treatment and 4 times restating that is (A1) Giving Vaccine of DPT, (A2) Giving Vaccine of DPT+PARASETAMOL, (A3) Giving Vaccine DPT+DOSIS Filtrat 3mg / gr, (A4) Giving Vaccine of DPT+DOSIS Filtrat 7mg / gr, (A5) Giving Vaccine of DPT+DOSIS Filtrat 11mg / gr, (A6) Giving Vaccine of DPT+DOSIS Filtrat 15mg / gr. Data analysis use One Way Anava. Result of Analysis Variant indicate that there differenc of real influence in giving filtrat leaf of kemangi (Ocimum basilicum) to degradation of mouse body temperature (Rattus norvegicus). Most effective Treatment is 15 mg / gr BB with average value 1,80C. This equivalent result with treatment of giving of parasetamol 0,2 mg / gr BB with average value 1,6750C.