This research executed on December, 2004 until January, 2005 in Laboratorium Fisiologi And Biokimia Faculty of Veterinary Diponegoro University Semarang. The aim of this research to know how big influence of tiroksin hormone in degrading fat proportion of broiler body. The advantage that expected from this research is to give information about the level of giving tiroksin hormone to degrade broiler fat exactly. Items used in this research is DOC CP 707 produced by PT. Charoen Phokpan and Jaya Farm as much 100 broiler. Tiroksin hormone used is sintetis tiroksin hormone with trademark of Thyark produce Organon. The content of Metabolis Energi 3064.04 Kkal/kg And Crude Protein 19.25%. The appliance used are 20 cages, hygrometer, scale food and drink place, vactainer that contain EDTA solution and reagen trigliserida kit. Rancangan Acak Lengakap (RAL) is used in this research with 4 treatment and 5 restating. Treatment that given are:

- T0 = without gift of hormone tiroksin
- T1 = gift of hormone tiroksin 0.025 mg/tail
- T2 = gift of hormone tiroksin 0.050 mg/ tail
- T3 = gift of hormone tiroksin 0.100 mg/ tail

Parameter observed are performans, amount of blood trigliserida and abdominal fat. Result of this research indicate that gift of tiroksin hormone from various level have not an effect manifestly (P>0.05) to performans, amount of blood trigliserida and abdominal fat. The conclusion from this research is gift of tiroksin hormone don’t give influence to consumption ration, PBBH, convert ration, amount of blood trigliserida and abdominal fat weight broiler.

Keyword : broiler, tiroksin hormone, performans, blood trigliserida and abdominal fat