ANTI *CASPASE* 8 AS AN APOPTOSIS INHIBITOR IN FIBROBLAST CULTURE CELL INFECTED BY INFECTIOUS BURSAL DISEASE VIRUS

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ABSTRACT

The aim of this research was to evaluate whether anti *caspase* 8 can inhibit apoptosis in Fibroblast culture cell which infected by Infectious Bursal Disease Virus.

Fibroblast cell cultured in Minimal Essential Medium (MEM) supplemented with *fetal bovine serum* (FBS), 100 iu/ml penicilline, 100 µg/ml streptomycine. Then culture cell infected by Infectious Bursal Disease Virus with titer 10^{-3} then incubated in 30 minutes and added anti *caspase* 8 with titer 10^{-2} in various incubation intervals, 15, 30, 60, 90, 120 and 150 minutes. After treated, the cell was collected and washed with PBS. The DNA fragmentation of apoptosis assay with *composite gel electrophoresis* which colloured with silver ($AgNO_3$).

The result showed that anti *caspase 8* able to inhibit apoptosis caused by Infectious Bursal Disease Virus infection. Fragmentatian DNA of apoptosis can inhibited after incubation anti *caspase* 8 in 150 minutes.

Key words **: Anti *Caspase* 8, Apoptosis, Infectious Bursal Disease**