

Ekstrak Air Jahe (*Zingiber officinale* Roscoe) Menghambat Akumulasi Kolesterol pada Makrofag

Title	Ekstrak Air Jahe (<i>Zingiber officinale</i> Roscoe) Menghambat Akumulasi Kolesterol pada Makrofag
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Abstract	Water extract of ginger rhizomes has been reported to protect low density lipoprotein (LDL) oxidation. We investigated the effect of these extract enrichment on the prevention of cholesterol accumulation in macrophage. Water extract of ginger rhizomes was supplemented on LDL isolate (2150 idg/m1 LDL), oxidized with CuSO4 and incubated on macrophage culture. These extract also was supplemented on macrophage culture before incubated with LDL and FeCl2. The corresponding esterified cholesterol accumulation was analized from macrophage culture. Result showed that water extract of ginger rhizomes supplementation on LDL isolated before CuSO4 oxidation and on medium macrophage culture before incubation with LDL and FeCl2 reduced 69,07 % and 43,21 % of esterified cholesterol accumulation from macrophage, respectively. This research has shown that water extract of ginger rhizomes is capable of prevention cholesterol accumulation in macrophage.
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Author	Dr Ir AISYAH TRI SEPTIANA, M.P