

## Lipid Profile, Peroxide Lipid, and Inflammatory Status in Metabolic Syndrome Woman

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<b>First Author</b>	Winarsi, Hery; Wijayanti, Siwi P. M.; Purwanto, Agus;
<b>Last Author</b>	
<b>Authors</b>	Winarsi, H; Wijayanti, SPM; Purwanto, A;
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<b>Abstract</b>	<p>Prevalence of metabolic syndrome (MS) in Indonesia (13,13%) is high and tends to increase. One of the consequences of MS is endothelial dysfunction leading to cardiovascular disease which is induced by oxidative stress and inflammation. The aim of the present research is to explore lipid profile, lipid peroxidation, and inflammatory marker level on metabolic syndrome women in Purwokerto. Thirty women with blood glucose level greater than normal, body mass index (BMI) &gt; 25 kg/m<sup>2</sup>, 40-65 years of age were recruited as respondent through selection by a survey in Internal Medicine Polyclinic of Margono Soekarjo Hospital in Purwokerto. In respondents with blood glucose level &gt; 200 mg/dL, total blood cholesterol level, high density lipoprotein, low density lipoprotein, malondialdehyd, and plasma C-reactive protein were determined. It was found that the MS women were 50,4 years of age; BMI 31,89 kg/m<sup>2</sup>; blood glucose 219,4 mg/dL; total cholesterol 216,73 mg/dL; triglyceride 218,13 mg/dL; HDL 46,59 mg/dL; LDL 146,27 mg/dL; MDA 2943,4 pmol/mL; C-RP 7,62 mg/L; and blood pressure 153/103 mmHg. It indicates that SM women experience dyslipidemia with low antioxidant and inflammation.</p>
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<b>Author</b>	Dr Ir HERY WINARSI, M.S