

**ABSTRACT**

**LIPID PROFILES OVERWEIGHT AND OBESITY CHILDREN  
AT RSUD DR. SOETOMO SURABAYA**

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**Background:** Overweight and obesity occurs due to higher energy intake than energy expended. Obesity occurs in all age group and all social society. The incidence of overweight and obesity in children becomes a serious problem because it will continue in adult, that's why appropriate management should be taken promptly. National prevalence shows that obesity in children (6-12 years old) is 9.2%. East Java has a prevalence 12.4%.

**Objective:** To investigate lipid profiles in overweight and obesity children at RSUD Dr. Soetomo Surabaya

**Methods:** This study was a descriptive observational study by taking secondary data to determine the lipid profiles in overweight and obesity children age 0 to 18 years. 32 samples of sampel are included in this research.

**Results:** From the 32 samples of overweight and obesity children we found in the age group of 6 months-8 years and groups > 8-12 years have the same frequency of 40.6%, was predominant on female 53.1%. Data classified as overweight category than obesity category of 56.2%. In the women's group found that abnormal total cholesterol ( $> 200\text{mg/dL}$ ) was 40.6%, LDL  $>110\text{ mg/dL}$  was 68.8%, normal HDL ( $> 40\text{mg/dL}$ ) level was 34.4%, TG (Triglycerides)  $>150\text{ mg/dL}$  was 53.1% and normal TG levels ( $<150\text{ mg / dL}$ ) was 46.9%. In the men's group we found that normal total cholesterol level (  $200\text{ mg / dL}$ ) was 59.4%, normal LDL level (  $110\text{ mg/dL}$ ) was 31.3%, HDL  $>40\text{mg/dL}$  was 65.6%.

**Conclusion:** The research sampel is classified as overweight category than obesity category. Sampel of lipid profile that have abnormal result as follows: LDL, HDL, TG while Cholesterol Total have normal result.

**Keyword:** *children, overweight, obese, lipid profile*