

## Nutrient intake patterns and their relations to lipid profiles In diverse ethnic populations

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### Abstrak

Cardiovascular disease has not only affected the quality of human resources, but also a primary cause of death in Indonesia today. The high incidence of cardiovascular risk factors among diverse ethnicity in Indonesia have incurred a speculation that is closely related to the food consumption as well as nutrient intake patterns among ethnic group in Indonesia, such as Minangkabau, Sundanese, Javanese and Buginese.

The general objective of this study is to study the importance of the ethnic factors for known risk factor of CVD. This study consists of three cross sectional studies. Each cross sectional study had its own objective and own sample size. The objectives of the first cross sectional study was to describe nutrient intake patterns and body mass index among the four ethnic group. The objective of the second cross sectional study was to describe lipid profiles among the four ethnic groups. While the objective of the third cross sectional study were to assess the interplay between ethnics, nutrient intake patterns, body mass index and physical activity index as predictors determinant of lipid profiles in the study population and also to assess the association between nutrient intake patterns and lipid profiles among Minangkabau, Sundanese, Javanese and Buginese ethnic.