

## Inter-provincial migration in Indonesia 1990-1995 : application of spatial interaction model using the 1995 intercensal population survey data

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### Abstrak

The last three decades have revealed substantial change in population mobility in Indonesia. In the 1950s population mobility was greatly determined by the government rather than the individuals concerned. This is called a 'direct policy' implemented through transmigration program. The mobility pattern was dominated by out-migration flow from Java to outside Java. However, in the next two decades 1990-2000 the migration pattern was determined by the migrants themselves, and is called 'indirect policy'. The pattern shows a polarization of mobility which indicates migrant flows from outside Java into Java as well as into other centers of growth in Indonesia. This paper tests spatial interaction model which is well known in geography. The model is derived from Newton's gravity model and was developed by Ravenstein and Reilly (1931). The result of statistical test shows that the flows of migration have positive relationship to the size of population in each region of origin and destination, and have negative relationship to the distance between origin and destination. The statistical model developed in this paper also rises the origin and destination region as an explanatory variable.