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## Schooling and Labor Market Consequences of School

Construction in Indonesia: Evidence from an Unusual Policy

Experiment

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## Abstract

Between 1973 and 1975, the Indonesian Government constructed over 61,000 primary schools throughout the country. This is one of the largest school exentraction programs on reared. I evaluate the effect of this program on offscation and wagss by combining differences across regions in the number of schools constructed with differences across cohorts induced by the timing of the program. The estimator suggest that the construction of primary schools led to an increase in education and earnings. Children aged 2 to 6 in 1971 received 0.12 to 0.19 more years of education for each school constructed per 1,000 children in their region of birth. Using the variations in rehouling generated by this policy as instrumental variables for the impact of education on wages generates estimates of economic returns to education maging from 6.8 percent to 1046 percent. (*JEE* 12, 231, 015, 022)

The question of whether investment in infrastructure increases human capital and reduces poverty has long been a concern to development economists and policymakers. For example, availability of schooling infrastructure has been shown to be positively correlated with completed schooling or ensellment by Nancy Birdsall (1985) in urban Bearli, Dennis DeTray (1988) and Lee A. Lillard and Robert J. Willis (1994) in Malaysia, Victor Lavy (1996) in Ghama, and Anne Case and Angus Deaton (1996) in South Africa. The principal methodological problem with these studies is that schools are not randomly allocated arrows communities. In education systems relying on local financing, more affluent communities can afford to build more schools. Children in these communities are likely to be more educated and earn more as adults. Alternatively, in centralized education systems, government resources may be allocated to regions that are lagging behind (as was the case with school construction in Indonesia in the 1970's). As a

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in their region of birth. Using the variations in schooling generated by this policy as instrumental variables for the impact of education on wages generates estimates of economic returns to education ranging from 6.8 percent to 10.6 percent.

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