UNIVERSITAS GADJAH MADA
**Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014**
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Daftar Pustaka

Abbasi, B. N., Luo, Z., & Sohail, A. (2023). Effect of parental migration on the noncognitive abilities of left-behind school-going children in rural China. *Humanities and Social Sciences Communications*, *10*(1). https://doi.org/10.1057/s41599-022-01496-8

Adhikari, R., Jampaklay, A., Chamratrithirong, A., Richter, K., Pattaravanich, U., & Vapattanawong, P. (2013). The Impact of Parental Migration on the Mental Health of Children Left Behind. *Journal of Immigrant and Minority Health*, *16*(5), 781–789. https://doi.org/10.1007/s10903-013-9809-5

Almond, D., Currie, J., & Duque, V. (2018). Childhood Circumstances and Adult Outcomes: Act II. *Journal of Economic Literature*, *56*(4), 1360–1446. https://doi.org/10.1257/jel.20171164

Amuedo-Dorantes, C., & Pozo, S. (2010). Accounting for Remittance and Migration Effects on Children's Schooling. *World Development*, *38*(12), 1747–1759. https://doi.org/10.1016/j.worlddev.2010.05.008

Anas, Y. (2025). Pengaruh Migrasi Orangtua Terhadap Pekerja Anak Di Indonesia. *Seminar Dan Konfrens APDOVI*, *1*. https://doi.org/10.17576/JEM-2022-5602-8

Antman, F. M. (2011a). International Migration and Gender Discrimination among Children Left Behind. *American Economic Review*, *101*(3), 645–649. https://doi.org/10.1257/aer.101.3.645

Antman, F. M. (2011b). The intergenerational effects of paternal migration on schooling and work: What can we learn from children's time allocations? *Journal of Development Economics*, *96*(2), 200–208. https://doi.org/10.1016/j.jdeveco.2010.11.002

Antman, F. M. (2012). Gender, educational attainment, and the impact of parental migration on children left behind. *Journal of Population Economics*, *25*(4), 1187–1214. https://doi.org/10.1007/s00148-012-0423-y

Antman, F. M. (2026). *Gender, Educational Attainment, and the Impact of Parental Migration on Children Left Behind*. Iza.org; iza. https://www.iza.org/publications/dp/6640/gender-educational-attainment-and-the-impact-of-parental-migration-on-children-left-behind

Austin, P. C. (2011). An Introduction to Propensity Score Methods for Reducing the Effects of Confounding in Observational Studies. *Multivariate Behavioral Research*, *46*(3), 399–424.

Badan Kebijakan Fiskal, & UNICEF Indonesia. (2021). *Ringkasan Kebijakan: Dampak COVID-19 terhadap kemiskinan dan mobilitas anak di Indonesia*. Www.unicef.org. https://www.unicef.org/indonesia/id/coronavirus/laporan/ringkasan-kebijakan-dampak-covid-19-kemiskinan-mobilitas-anak

Bai, Y., Yang, N., Wang, L., & Zhang, S. (2022). The impacts of maternal migration on the cognitive development of preschool-aged children left behind in rural China. *World Development*, *158*, 106007. https://doi.org/10.1016/j.worlddev.2022.106007

Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Bai, Y., Zhang, L., Liu, C., Shi, Y., Mo, D., & Rozelle, S. (2017). Effect of Parental Migration on the Academic Performance of Left Behind Children in North Western China. *The Journal of Development Studies*, *54*(7), 1154–1170. https://doi.org/10.1080/00220388.2017.1333108

Baltatescu, S., Strózik, T., Soo, K., Kutsar, D., Strózik, D., & Bacter, C. (2023). Subjective Well-being of Children Left Behind by Migrant Parents in Six European Countries. *Child Indicators Research*, *16*(5), 1941–1969. https://doi.org/10.1007/s12187-023-10054-w

Baltatescu, S., Strózik, T., Soo, K., Kutsar, D., Strózik, D., & Bacter, C. (2023). Subjective Well-being of Children Left Behind by Migrant Parents in Six European Countries. *Child Indicators Research*, *16*(5), 1941–1969. https://doi.org/10.1007/s12187-023-10054-w

Bartus, T. (2017). Multilevel Multiprocess Modeling with Gsem. *The Stata Journal: Promoting Communications on Statistics and Stata*, *17*(2), 442–461. https://doi.org/10.1177/1536867x1701700211

Becker, G. (1975). Human Capital A THEORETICAL AND EMPIRICAL ANALYSIS, WITH SPECIAL REFERENCE TO EDUCATION. *Human Capital a THEORETICAL and EMPIRICAL ANALYSIS, with SPECIAL REFERENCE to EDUCATION*, *ISBN*, 0–226. https://www.nber.org/system/files/chapters/c3730/c3730.pdf

Biesebroeck, J. V. (2015, April). *How tight is the link between wages and productivity? A survey of the literature*. International Labour Organization. https://www.ilo.org/publications/how-tight-link-between-wages-and-productivity-survey-literature

BKKBN. (2025). *Rilis Data Fatherless Indonesia* [Review of *Rilis Data Fatherless Indonesia*]. Kemendukbangga.Go.Id. https://jateng.kemendukbangga.go.id/posts/a5256988-5ba7-4309-92a0-93148a507448-rilis-data-fatherless-indonesia

Bleakley, H. (2010). Health, Human Capital, and Development. *Annual Review of Economics*, *2*(1), 283–310. https://doi.org/10.1146/annurev.economics.102308.124436

Borjas, G. J., & Bronars, S. G. (1991). Immigration and the Family. *Journal of Labor Economics*, *9*(2), 123–148. JSTOR. https://doi.org/10.2307/2535237

BPS. (2020). *Arus Migrasi Risen Antar Provinsi, di INDONESIA - Dataset - Long Form Sensus Penduduk 2020 - Badan Pusat Statistik*. Bps.go.id. https://sensus.bps.go.id/topik/tabular/sp2022/170/0/0

BPS-Statistics Indonesia. (2021). *Population and Labor Mobility Statistics 2021*. Bps.Go.Id; BPS-Statistics Indonesia. https://www.bps.go.id/en/publication/2021/12/21/a15176a0d458bc8f297d3ee7/population-and-labor-mobility-statistics-2021.html

Bucheli, J. R., Bohara, A. K., & Fontenla, M. (2018). Mixed effects of remittances on child education. *IZA Journal of Development and Migration*, *8*(1). https://doi.org/10.1186/s40176-017-0118-y

Bustamante, A. S., Dearing, E., Zachrisson, H. D., & Vandell, D. L. (2021). Adult outcomes of sustained high‐quality early child care and education: Do

Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

they vary by family income? *Child Development*, *93*(2), 502–523. https://doi.org/10.1111/cdev.13696

Caliendo, M., & Kopeinig, S. (2005). Some Practical Guidance for the Implementation of Propensity Score Matching. *SSRN Electronic Journal*. https://doi.org/10.2139/ssrn.721907

Case, A., Fertig, A., & Paxson, C. (2005). The lasting impact of childhood health and circumstance. *Journal of Health Economics*, *24*(2), 365–389. https://doi.org/10.1016/j.jhealeco.2004.09.008

Case, A., Lubotsky, D., & Paxson, C. (2002). Economic Status and Health in Childhood: The Origins of the Gradient. *American Economic Review*, *92*(5), 1308–1334. https://doi.org/10.1257/000282802762024520

Chaves, R. A. (2025). *Indonesia's global workers : juggling opportunities and risks : Pekerja Global Indonesia : Antara Peluang dan Risiko*. World Bank. https://documents.worldbank.org/en/publication/documents-reports/documentdetail/820641511876199851

Cooke, T. J. (2013). All tied up: Tied staying and tied migration within the United States, 1997 to 2007. *Demographic Research*, *29*, 817–836. https://doi.org/10.4054/demres.2013.29.30

Currie, J., & Vogl, T. (2013). Early-Life Health and Adult Circumstance in Developing Countries. *Annual Review of Economics*, *5*(1), 1–36. https://doi.org/10.1146/annurev-economics-081412-103704

Deming, D. J. (2022). Four Facts about Human Capital. *Journal of Economic Perspectives*, *36*(3), 75–102. https://doi.org/10.1257/jep.36.3.75

Dewi, E. (2010). *Relationships between Women Migrant Workers and their Children in Indonesia: Feminist Perspectives, Community Values and Motherhood*. https://www.australiaawardsindonesia.org/article/detail/183/118/relationships-between-women-migrant-workers-and-their-children-in-indonesia-feminist-perspectives-community-values-and-motherhood

Direktorat Penempatan BP2MI. (2023). *Rekapitulasi Data Penempatan Pekerja Migran Indonesia Berdasarkan Negara Penempatan - BP2MI* [Review of *Rekapitulasi Data Penempatan Pekerja Migran Indonesia Berdasarkan Negara Penempatan - BP2MI*]. Bp2mi.Go.Id. https://sdi.bp2mi.go.id/eu/dataset/rekapitulasi-data-penempatan-pekerja-migran-indonesia-tahun-2023-berdasarkan-negara

Dong, Y., Wang, W., Li, S., & Zhang, L. (2021). The cumulative impact of parental migration on schooling of left-behind children in rural China. *Journal of Rural Studies*. https://doi.org/10.1016/j.jrurstud.2021.07.007

Duflo, E. (2001). Schooling and Labor Market Consequences of School Construction in Indonesia: Evidence from an Unusual Policy Experiment. *American Economic Review*, *91*(4), 795–813. https://doi.org/10.1257/aer.91.4.795

Dwi Astuti, Y., Retnowati, S., & Tri Handoyo, R. (2025). Parental migration and left-behind children: Lessons learned from the Indonesian family life

UNIVERSITAS GADJAH MADA
**Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014**
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

survey. *SHS Web of Conferences*, *224*, 06006. https://doi.org/10.1051/shsconf/202522406006

Edwards, A. C., & Ureta, M. (2003). International migration, remittances, and schooling: evidence from El Salvador. *Journal of Development Economics*, *72*(2), 429–461. https://doi.org/10.1016/s0304-3878(03)00115-9

Eskezyiaw, A., Abebe, Z., & Ayelign, A. (2025). Causal analysis of undernutrition among adolescents in the context of the agrarian community of North-West Ethiopia: A general structural equation modelling approach. *BMJ Open*, *15*(5), e080359. https://doi.org/10.1136/bmjopen-2023-080359

Fatimah, A. M., & Kofol, C. (2019). Migrating for Children's Better Future: Intergenerational Mobility of Internal Migrants' Children in Indonesia. *SSRN Electronic Journal*. https://doi.org/10.2139/ssrn.3498195

Fatimah, A. M., & Kofol, C. (2023). Migrating for children's better future: Intergenerational mobility of internal migrants' children in Indonesia. *Journal of Asian Economics*, *86*, 101618. https://doi.org/10.1016/j.asieco.2023.101618

Fauk, N. K., Seran, A. L., Aylward, P., Mwanri, L., & Ward, P. R. (2024). Parental Migration and the Social and Mental Well-Being Challenges among Indonesian Left-Behind Children: A Qualitative Study. *International Journal of Environmental Research and Public Health*, *21*(6), 793. https://doi.org/10.3390/ijerph21060793

Fellmeth, G., Rose-Clarke, K., Zhao, C., Busert, L. K., Zheng, Y., Massazza, A., Sonmez, H., Eder, B., Blewitt, A., Lertgrai, W., Orcutt, M., Ricci, K., Mohamed-Ahmed, O., Burns, R., Knipe, D., Hargreaves, S., Hesketh, T., Opondo, C., & Devakumar, D. (2018). Health impacts of parental migration on left-behind children and adolescents: a systematic review and meta-analysis. *The Lancet*, *392*(10164), 2567–2582. https://doi.org/10.1016/s0140-6736(18)32558-3

Glewwe, P., & Miguel, E. A. (2007). Chapter 56 The Impact of Child Health and Nutrition on Education in Less Developed Countries. In *Handbook of Development Economics* (pp. 3561–3606). https://doi.org/10.1016/s1573-4471(07)04056-9

Grossman, M. (1972). On the Concept of Health Capital and the Demand for Health. *Journal of Political Economy*, *80*(2), 223–255. https://www.jstor.org/stable/1830580

Grossman, M. (1972). On the Concept of Health Capital and the Demand for Health. *Journal of Political Economy*, *80*(2), 223–255. https://www.jstor.org/stable/1830580?seq=1

Gubhaju, B., & De Jong, G. F. (2009). Individual versus Household Migration Decision Rules: Gender and Marital Status Differences in Intentions to Migrate in South Africa. *International Migration*, *47*(1), 31–61. https://doi.org/10.1111/j.1468-2435.2008.00496.x

Guo, L. (2023). Parental Migration in Childhood and Individual Wellbeing in Adulthood. *Applied Research in Quality of Life*. https://doi.org/10.1007/s11482-023-10185-w

UNIVERSITAS GADJAH MADA
**Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014**
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Hanushek, E. A., & Woessmann, L. (2008). The Role of Cognitive Skills in Economic Development. *Journal of Economic Literature*, *46*(3), 607–668.

Harris, J. R., & Todaro, M. P. (2026). *Migration, Unemployment and Development: A Two-Sector Analysis | JSTOR* [Review of *Migration, Unemployment and Development: A Two-Sector Analysis | JSTOR*]. Jstor. https://www.jstor.org/stable/1807860?seq=15

Havari, E., & Mazzonna, F. (2015). Can We Trust Older People's Statements on Their Childhood Circumstances? Evidence from SHARELIFE. *European Journal of Population*, *31*(3), 233–257. https://doi.org/10.1007/s10680-014-9332-y

Heckman, J. (2013). *Invest in Early Childhood Development: Reduce Deficits, Strengthen the Economy - The Heckman Equation*. The Heckman Equation. https://heckmanequation.org/resource/invest-in-early-childhood-development-reduce-deficits-strengthen-the-economy/

Heckman, J. J. (2006). Skill Formation and the Economics of Investing in Disadvantaged Children. *Science*, *312*(5782), 1900–1902. https://doi.org/10.1126/science.1128898

Heckman, J. J., & Kautz, T. (2012). Hard Evidence on Soft Skills. *Labour Economics*, *19*(4), 451–464. https://doi.org/10.1016/j.labeco.2012.05.014

Heckman, J. J., Stixrud, J., & Urzua, S. (2006). The Effects of Cognitive and Noncognitive Abilities on Labor Market Outcomes and Social Behavior. *Journal of Labor Economics*, *24*(3), 411–482. https://doi.org/10.1086/504455

Hendry, D., & Castle, J. (2014, January 13). *The real wage–productivity nexus*. CEPR. https://cepr.org/voxeu/columns/real-wage-productivity-nexus

Hoover-Dempsey, K. V., & Sandler, H. M. (1995). Parental Involvement in Children's Education: Why Does it Make a Difference? *Teachers College Record: The Voice of Scholarship in Education*, *97*(2), 310–331. https://doi.org/10.1177/016146819509700202

Hoover-Dempsey, K. V., & Sandler, H. M. (1997). Why Do Parents Become Involved in Their Children's Education? *Review of Educational Research*, *67*(1), 3–42. https://doi.org/10.2307/1170618

Idler, E. L., & Benyamini, Y. (1997). Self-Rated Health and Mortality: A Review of Twenty-Seven Community Studies. *Journal of Health and Social Behavior*, *38*(1), 21. https://doi.org/10.2307/2955359

Idler, E. L., & Benyamini, Y. (1997). Self-rated health and mortality: A review of twenty-seven community studies. *Journal of Health and Social Behavior*, *38*(1), 21–37. https://pubmed.ncbi.nlm.nih.gov/9097506/

Indonesia, B. P. S. (2024, May 6). *Upah Rata - Rata Per Jam Pekerja Menurut Provinsi - Tabel Statistik*. Www.Bps.Go.Id. https://www.bps.go.id/id/statistics-table/2/MTE3MiMy/upah-rata---rata-per-jam-pekerja-menurut-provinsi.html

IOM UN Migration. (2023). *Diskusi Kelompok Tefrokus Peningkatan Pengasuhan dan Pelindungan | IOM Indonesia*. Iom.int. https://indonesia.iom.int/id/resources/diskusi-kelompok-tefrokus-peningka

Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

tan-pengasuhan-dan-pelindungan-anak-pekerja-migran-indonesia-yang-ditinggalkan-bermigrasi

IOM. (2003). *Labour Migration in Asia: Trends, Challenges and Policy Responses in Countries of Origin*. International Organization for Migration. https://publications.iom.int/books/labour-migration-asia-trends-challenges-and-policy-responses-countries-origin

IOM. (2005, October 26). *Towards a fair deal for migrant workers in the global economy* [Review of *Towards a fair deal for migrant workers in the global economy*]. International Labour Organization. https://www.ilo.org/resource/conference-paper/towards-fair-deal-migrant-workers-global-economy

IOM. (2010). *IOM International Organization for Migration LABOUR MIGRATION FROM INDONESIA* [Review of *IOM International Organization for Migration LABOUR MIGRATION FROM INDONESIA*]. https://www.iom.int/sites/g/files/tmzbdl486/files/jahia/webdav/shared/shared/mainsite/published_docs/Final-LM-Report-English.pdf

IOM. (2020). Spotlight on Labour Migration in Asia. *Publications.Iom.Int*. https://publications.iom.int/books/spotlight-labour-migration-asia

JDIH BPK. (2017). *UU No. 18 Tahun 2017*. Database Peraturan | JDIH BPK. https://peraturan.bpk.go.id/Details/64508/uu-no-18-tahun-2017

Kementerian Kependudukan dan Pembangunan Keluarga (BKKBN). (2025). *Laporan Kependudukan indonesia 2025*. https://indonesia.unfpa.org/sites/default/files/pub-pdf/2date26-date2/Laporan%20Kependudukan%20Indonesia%202025.pdf

Kline, R. B. (2004). *Principles and practice of structural equation modeling*. New York Guilford.

Kunwar, L. S. (2022). Impacts of Parental Migration on Children Left Behind. *Cognition*, *4*(1), 34–42. https://doi.org/10.3126/cognition.v4i1.46441

Lazear, E. (2019). *NBER WORKING PAPER SERIES PRODUCTIVITY AND WAGES: COMMON FACTORS AND IDIOSYNCRASIES ACROSS COUNTRIES AND INDUSTRIES*. https://www.nber.org/system/files/working_papers/w26428/w26428.pdf

Leinbach, T. R. (1989). The transmigration programme in Indonesian national development strategy. *Habitat International*, *13*(3), 81–93. https://doi.org/10.1016/0197-3975(89)90023-4

Li, J., Luo, E., & Cockx, B. (2023). *The Long-Term Impact of Parental Migration on the Health of Young Left-behind Children*. Iza.org; iza. https://www.iza.org/publications/dp/16596/the-long-term-impact-of-parental-migration-on-the-health-of-young-left-behind-children

Liang, Z., & Sun, F. (2020). The lasting impact of parental migration on children's education and health outcomes: The case of China. *Demographic Research*, *43*, 217–244. https://doi.org/10.4054/demres.2020.43.9

Liu, J., Zheng, X., Parker, M., & Fang, X. (2020). Childhood Left-Behind Experience and Employment Quality of New-Generation Migrants in

UNIVERSITAS GADJAH MADA
**Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014**
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

China. *Population Research and Policy Review*, *39*(4), 691–718. https://doi.org/10.1007/s11113-020-09568-w

Lorem, G., Cook, S., Leon, D. A., Emaus, N., & Schirmer, H. (2020). Self-reported health as a predictor of mortality: A cohort study of its relation to other health measurements and observation time. *Scientific Reports*, *10*(1). https://doi.org/10.1038/s41598-020-61603-0

Lu, Y. (2014). Parental Migration and Education of Left-Behind Children: A Comparison of Two Settings. *Journal of Marriage and Family*, *76*(5), 1082–1098. https://doi.org/10.1111/jomf.12139

Lu, Y. (2015). Internal migration, international migration, and physical growth of left-behind children: A study of two settings. *Health & Place*, *36*, 118–126. https://doi.org/10.1016/j.healthplace.2015.09.008

Lu, Y., Yeung, W.-J. J., & Treiman, D. J. (2020). Parental migration and children's psychological and cognitive development in China: differences and mediating mechanisms. *Chinese Sociological Review*, *52*(4), 337–363. https://doi.org/10.1080/21620555.2020.1776600

Mao, M., Zang, L., & Zhang, H. (2020). The Effects of Parental Absence on Children Development: Evidence from Left-Behind Children in China. *International Journal of Environmental Research and Public Health*, *17*(18). https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7559575/

Marchetta, F., & Sim, S. (2021). The effect of parental migration on the schooling of children left behind in rural Cambodia. *World Development*, *146*, 105593. https://doi.org/10.1016/j.worlddev.2021.105593

McKenzie, D., & Rapoport, H. (2011). Can migration reduce educational attainment? Evidence from Mexico. *Journal of Population Economics*, *24*(4), 1331–1358. https://doi.org/10.1007/s00148-010-0316-x

McKenzie, D., Stillman, S., & Gibson, J. (2010). HOW IMPORTANT IS SELECTION? EXPERIMENTAL VS. NONEXPERIMENTAL MEASURES OF THE INCOME GAINS FROM MIGRATION. *Journal of the European Economic Association*, *8*(4), 913–945. JSTOR. https://doi.org/10.2307/25700908

Meng, X., & Yamauchi, C. (2017). Children of Migrants: The Cumulative Impact of Parental Migration on Children's Education and Health Outcomes in China. *Demography*, *54*(5), 1677–1714. https://doi.org/10.1007/s13524-017-0613-z

Mincer, J. (1974). *Schooling, Experience, and Earnings* (pp. 83–96). National Bureau Of Economic Research. https://www.nber.org/books-and-chapters/schooling-experience-and-earnings

Mincer, J. (1978). Family Migration Decisions. *Journal of Political Economy*, *86*(5), 749–773. https://doi.org/10.1086/260710

Ng, J. (2018). *Labour migration in Indonesia and the health of children left behind* [Review of *Labour migration in Indonesia and the health of children left behind*]. UNU Wider; UNU-WIDER. https://www.wider.unu.edu/publication/labour-migration-indonesia-and-health-children-left-behind

UNIVERSITAS GADJAH MADA
**Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014**
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Ngure, F. M., Reid, B. M., Humphrey, J. H., Mbuya, M. N., Pelto, G., & Stoltzfus, R. J. (2014). Water, sanitation, and hygiene (WASH), environmental enteropathy, nutrition, and early child development: Making the links. *Annals of the New York Academy of Sciences*, *1308*(1), 118–128. https://doi.org/10.1111/nyas.12330

Pardede, E. L., & Mulder, C. H. (2022). The roles of family resources and family structure in moving from the parental home and village among young Indonesians. *Population, Space and Place*, *28*(1), e2535. https://doi.org/10.1002/psp.2535

Pardede, E. L., & Venhorst, V. A. (2024). Does Ethnicity Affect Ever Migrating and the Number of Migrations? The Case of Indonesia. *European Journal of Population*, *40*(1), 6. https://doi.org/10.1007/s10680-023-09694-z

Pardede, E. L., McCann, P., & Venhorst, V. A. (2020). Internal migration in Indonesia: New insights from longitudinal data. *Asian Population Studies*, *16*(3), 287–309. https://doi.org/10.1080/17441730.2020.1774139

Parreñas, R. S. (2005). *Children of Global Migration | Stanford University Press*. Sup.Org. https://www.sup.org/books/sociology/children-global-migration

Parreñas, R. S. (2024). *Children of Global Migration | Stanford University Press*. Sup.org. https://www.sup.org/books/sociology/children-global-migration

Policardo, L., Punzo, L. F., & Carrera, E. J. S. (2018). On the wage–productivity causal relationship. *Empirical Economics*, *57*(1), 329–343. https://doi.org/10.1007/s00181-018-1428-5

Psacharopoulos, G., & Patrinos, H. A. (2018). Returns To Investment in Education: A Decennial Review of the Global Literature. *Education Economics*, *26*(5), 445–458. https://doi.org/10.1080/09645292.2018.1484426

Puhze, C. (2018, November 30). *Parental migration and the children left behind – BOLD*. BOLD. https://boldscience.org/parental-migration-and-the-children-left-behind/

Rabe-Hesketh, S., Skrondal, A., & Pickles, A. (2004). Generalized multilevel structural equation modeling. *Psychometrika*, *69*(2), 167–190. https://doi.org/10.1007/bf02295939

RAND Corporation, Population and Policy Studies (CPPS) of the University of Gadjah Mada, & Survey METRE. (2025). *Longitudinal Survey Explores Indonesian Family Life*. Rand.org. https://www.rand.org/health/surveys/FLS/IFLS.html

Rhacel Salazar Parrenas. (2006). *Children of Global Migration: Transnational Families and Gendered Woes*. ResearchGate. https://www.researchgate.net/publication/37702078_Children_of_Global_Migration_Transnational_Families_and_Gendered_Woes

Rizky, M., Lubis, S., Warda, N., Fajar, Y., Wahyu, M., Hermanus, E., Kusumawardhani, N., Arfyanto, H., Marshan, J., & Toyamah, N. (2019). *SMERU Research Report The Well-Being of Poor Children Left by Their Mothers Who Become Migrant Workers: Case Study in Two Kabupaten in Indonesia* [Review of *SMERU Research Report The Well-Being of Poor Children Left by Their Mothers Who Become Migrant Workers: Case*

Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Study in Two Kabupaten in Indonesia]. https://smeru.or.id/sites/default/files/publication/rr_children_left_behind_eng_2019-12-13_notrack.pdf

Roman, M., & Voicu, C. (2010). Some Socio-Economic Effects of Labor Migration on Sending Countries. Evidence from Romania. *Theoretical and Applied Economics*, *XVII*(7), 61–76. https://www.store.ectap.ro/articole/484.pdf

Rosenbaum, P. R., & Rubin, D. B. (1983). The Central Role of the Propensity Score in Observational Studies for Causal Effects. *Biometrika*, *70*(1), 41–55. https://doi.org/10.2307/2335942

Rubio, M. G. (2020). *Parent Migration and Education Outcomes of Children Left Behind in El Salvador*. Publications.iadb.org. https://publications.iadb.org/en/parent-migration-and-education-outcomes-children-left-behind-el-salvador

Schnittker, J., & Bacak, V. (2014). The Increasing Predictive Validity of Self-Rated Health. *PLoS ONE*, *9*(1), e84933. https://doi.org/10.1371/journal.pone.0084933

Schultz, T. Paul. (2003). Human capital, schooling and health. *Economics & Human Biology*, *1*(2), 207–221. https://doi.org/10.1016/s1570-677x(03)00035-2

Schultz, T. W. (1961). Investment in Human Capital. *The American Economic Review*, *51*(1), 1–17. https://www.jstor.org/stable/1818907

Shi, H., Gong, X., Wang, Y., Gao, Y., Zhang, J., Zhao, C., Huang, X., Zhao, Y., & Wang, X. (2021). Parental migration, nurturing care, and early social-emotional development of children in rural China. *Early Childhood Research Quarterly*, *57*, 40–50. https://doi.org/10.1016/j.ecresq.2021.05.007

Shifti, D. M., Chojenta, C., Holliday, E. G., & Loxton, D. (2022). Maternal anemia and baby birth size mediate the association between short birth interval and under-five undernutrition in Ethiopia: A generalized structural equation modeling approach. *BMC Pediatrics*, *22*(1), 108. https://doi.org/10.1186/s12887-022-03169-6

Skelton, O. D. (2022). Reviewed Works: Syndicalism and Labour. *Jstor.org*. https://doi.org/10.2307/1828246

Smith, J. P. (2009). The Impact of Childhood Health on Adult Labor Market Outcomes. *Review of Economics and Statistics*, *91*(3), 478–489. https://doi.org/10.1162/rest.91.3.478

Somaiah, B. C., & Yeoh, B. S. A. (2023). Grandparenting left-behind children in Javanese Migrant-sending villages: Trigenerational care circuits and the negotiation of care. *Geoforum*, *143*, 103767–103767. https://doi.org/10.1016/j.geoforum.2023.103767

Song, Q., & Glick, J. (2020). Paternal migration and children's educational attainment and work activity: the case of Mexico. *Community, Work & Family*, 1–19. https://doi.org/10.1080/13668803.2020.1772725

Spaan, E., & van Naerssen, T. (2017). Migration decision-making and migration industry in the Indonesia–Malaysia corridor. *Journal of Ethnic and*

Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Migration Studies, *44*(4), 680–695. https://doi.org/10.1080/1369183x.2017.1315523

Stahl, C. W. (1995). Theories of International Labor Migration: An Overview. *Asian and Pacific Migration Journal*, *4*(2-3), 211–232. https://doi.org/10.1177/011719689500400203

Stark, O., & Bloom, D. E. (1985). The New Economics of Labor Migration. *The American Economic Review*, *75*(2), 173–178. https://www.jstor.org/stable/1805591

Stata Press. (2026). *Stata Bookstore | Structural Equation Modeling Reference Manual, Release 19* [Review of *Stata Bookstore | Structural Equation Modeling Reference Manual, Release 19*]. Stata.Com. https://www.stata.com/bookstore/structural-equation-modeling-reference-manual/

Strauss, J., Witoelar, F., Sikoki, B., & Wattie, A. M. (2009, April). *The Fourth Wave of the Indonesian Family Life Survey (IFLS4): Overview and Field Report*. The Australian National University. https://researchportalplus.anu.edu.au/en/publications/the-fourth-wave-of-the-indonesian-family-life-survey-ifls4-overvi/

Susilo, N., Khoiruddin, M. A., Pratomo, D. S., & Ayyubi, A. (2024). Does internal parental migration affect child school participation and work in Indonesia? *Cogent Social Sciences*, *10*(1). https://doi.org/10.1080/23311886.2024.2363037

Swarbrick, M. (2025). *New Economics of Labour Migration and Neoclassical Migration Comparison | UKEssays.com*. Ukessays.com; UK Essays. https://www.ukessays.com/essays/economics/new-economics-of-labour-migration-and-neoclassical-migration-comparison.php

Swasthika, D. (2020). *Pengaruh Status Migrasi Orang Tua terhadap Partisipasi Sekolah Anak*. Ugm.Ac.Id. https://etd.repository.ugm.ac.id/penelitian/detail/186504

Takele, K., Zewotir, T., & Ndanguza, D. (2023). A combined model of child malnutrition and morbidity in Ethiopia using structural equation models. *Scientific Reports*, *13*(1), 471. https://doi.org/10.1038/s41598-023-27440-7

Taylor, E. J. (1999). The New Economics of Labour Migration and the Role of Remittances in the Migration Process. *International Migration*, *37*(1), 63–88. https://doi.org/10.1111/1468-2435.00066

Todaro, M. P., & Smith, S. C. (2012). *Economic development* (11th ed.). Addison-Wesley.

UNICEF. (1989). *Convention on the Rights of the Child text*. Unicef.Org. https://www.unicef.org/child-rights-convention/convention-text?utm_source=chatgpt.com

UNICEF. (2011). *Children "Left Behind."* Www.unicef.org. https://www.unicef.org/documents/children-left-behind

UNICEF. (n.d.). *UNICEF WORKING PAPER - Children "Left Behind"* [Review of *UNICEF WORKING PAPER - Children "Left Behind"*]. Www.Unicef.Org. Retrieved July 16, 2026, from https://www.unicef.org/documents/children-left-behind

UNIVERSITAS GADJAH MADA
**Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014**
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Viet Nguyen, C. (2016). Does parental migration really benefit left-behind children? Comparative evidence from Ethiopia, India, Peru and Vietnam. *Social Science & Medicine*, *153*, 230–239. https://doi.org/10.1016/j.socscimed.2016.02.021

Wang, H., Cheng, Z., Zhe Wang, B., & Chen, Y. (2021). Childhood left-behind experience and labour market outcomes in China. *Journal of Business Research*, *132*, 196–207. https://doi.org/10.1016/j.jbusres.2021.04.014

Wang, M., Lou, J., Xie, X., Zhao, G., & Zhu, H. (2024). Parental migration and cyberbullying victimization among Chinese left-behind children: understanding the association and mediating factors. *Frontiers in Public Health*, *12*, 1194940. https://doi.org/10.3389/fpubh.2024.1194940

Wassink, J. T., & Viera, J. A. (2021). Does Parental Migration During Childhood Affect Children's Lifetime Educational Attainment? Evidence From Mexico. *Demography*. https://doi.org/10.1215/00703370-9411336

Wei, B., Wang, R., Lin, X., Zhao, C., & Luo, M. (2024). The long-term effect of childhood left-behind experiences on entrepreneurial activities in adulthood: Empirical evidence from China. *Children and Youth Services Review*, *164*, 107879. https://doi.org/10.1016/j.childyouth.2024.107879

Weiss, C. H. (1995). Nothing as practical as good theory: Exploring theory-based evaluation for comprehensive community initiatives for children and families. In J. Connell, A. Kubisch, L. Schorr & C. Weiss (Eds.), *New approaches to evaluating comprehensive community initiatives* (pp. 65-92). New York: The Aspen Roundtable Institute.

Wooldridge, J. M. (2012). *Introductory econometrics a modern approach*. Cincinnati, Ohio] South-Western, Cengage Learning.

World Bank. (2017). *Indonesia Can Improve Opportunities for and Protection of Its Migrants Working Abroad* [Review of *Indonesia Can Improve Opportunities for and Protection of Its Migrants Working Abroad*]. World Bank. https://www.worldbank.org/en/news/press-release/2017/11/28/indonesia-can-improve-opportunities-for-and-protection-of-its-migrants-working-abroad

World Health Organization. (2006). *The WHO child growth standards*.

Wu, Q., Lu, D., & Kang, M. (2015). Social capital and the mental health of children in rural China with different experiences of parental migration [Review of *Social capital and the mental health of children in rural China with different experiences of parental migration*]. *Social Science & Medicine*, *132*, 270–277. https://doi.org/10.1016/j.socscimed.2014.10.050

Wuorela, M., Lavonius, S., Salminen, M., Vahlberg, T., Viitanen, M., & Viikari, L. (2020). Self-rated health and objective health status as predictors of all-cause mortality among older people: a prospective study with a 5-, 10-, and 27-year follow-up. *BMC Geriatrics*, *20*(1). https://doi.org/10.1186/s12877-020-01516-9

Www.who.int. https://www.who.int/tools/child-growth-standards

Yakubu, S. O., Akparibo, R., Morgan-Fallah, C., Ranjan, A., Karim, Z., Adesanmi, B., Schultz, L., & Bundy, D. (2026). Investing in nutrition

UNIVERSITAS GADJAH MADA
**Dampak Jangka Panjang Status Children Left-Behind (CLB) terhadap Produktivitas pada Masa Dewasa:
Analisis Longitudinal dengan Mediasi Kesehatan Menggunakan Indonesia Family Life Survey (IFLS) 1997â€“2014**
Avissa Helga Andromeda, Wisnu Setiadi Nugroho, S.E., M.Sc., M.A., Ph.D.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

throughout the first 8000 days of life: A multisectoral approach to supporting well-being and creating future human capital. *BMJ Global Health*, *11*(4), e019620. https://doi.org/10.1136/bmjgh-2025-019620

Yeung, W.-J. J., & Gu, X. (2015). Left Behind by Parents in China: Internal Migration and Adolescents' Well-Being. *Marriage & Family Review*, *52*(1–2), 127–161. https://doi.org/10.1080/01494929.2015.1111284

Zahra, L. (2021). MIGRASI ORANG TUA DAN KOGNITIF ANAK: ANALISIS DATA IFLS 2007 DAN 2014. *Jurnal Kependudukan Indonesia*, *15*(2), 145. https://doi.org/10.14203/jki.v15i2.453

Zhang, H., Behrman, J. R., Fan, C. S., Wei, X., & Zhang, J. (2014). Does parental absence reduce cognitive achievements? Evidence from rural China [Review of *Does parental absence reduce cognitive achievements? Evidence from rural China*]. *Journal of Development Economics*, *111*, 181–195. https://doi.org/10.1016/j.jdeveco.2014.09.004

Zhao, C., Wang, F., Zhou, X., Jiang, M., & Hesketh, T. (2018). Impact of parental migration on psychosocial well-being of children left behind: a qualitative study in rural China. *International Journal for Equity in Health*, *17*(1). https://doi.org/10.1186/s12939-018-0795-z

Zheng, X., Fang, Z., Wang, Y., & Fang, X. (2022). When left-behind children become adults and parents: The long-term human capital consequences of parental absence in China. *China Economic Review*, 101821. https://doi.org/10.1016/j.chieco.2022.101821

Zhou, C., Sylvia, S., Zhang, L., Luo, R., Yi, H., Liu, C., Shi, Y., Loyalka, P., Chu, J., Medina, A., & Rozelle, S. (2015). China's Left-Behind Children: Impact Of Parental Migration On Health, Nutrition, And Educational Outcomes. *Health Affairs (Project Hope)*, *34*(11), 1964–1971. https://doi.org/10.1377/hlthaff.2015.0150