Research Proposal Summary

Economics of Working Longer and an Aging Workforce in Indonesia

Sub theme: 5) How the aging workforce affects transitions between jobs and between firms, and the impact of any changes in workplace dynamism on aggregate productivity.

Project Title: Ageing Workforce Dynamics on Changing Workplace and Productivity in Indonesia

Names of principal researchers and institutional affiliation: **Dr. Lilis Heri Mis Cicih** (Faculty of Economic and Business (FEB), University of Indonesia, Indonesia); Sri Hartini Rachmad (Indonesia, STIS – Polytechnique of Statistics Institute, Jakarta & BPS NSO Indonesia); Ardi Adji (Indonesia University, Indonesia)

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Aim of the Research

The aim of this research project is to provide a significant contribution to the dynamics of measurement and ageing labour economics strategy in order to support better facts for policy formulation on evidence base accordingly, especially to support existing ageing labour productivity in Indonesia. It proposes, among others: a) Analysing the work readiness of the initial competencies of old age workers in the new normal era along with changes in dynamics, digitization and assessing the productivity level of old age workers; b) Analyse the determinants of the impact of the COVID-19 pandemic on the aging labour market in Indonesia; c) Analyse alternative labour market recovery strategies for older workers and their impact on the overall labour market in Indonesia; d) Analysis of ageing work ability index in Indonesia. The research also attempts to develop an appropriate instruments for measuring the productivity of the ageing labour force to the economy. The ageing labour productivity data will be very useful in supporting government's development planning, particularly for local economic development where Indonesia is undergoing transformation from a centralistic to a more local-friendly development planning. The research result expects could be an important role in supporting the new regulations of older person welfare in Indonesia.

Empirical gap: Only a few studies have studied the impact of Covid-19 and labor market recovery, especially in developing countries (e.g. Omar & Lennart, 2020; Acosta, 2020; Rio-Chanona, 2020; Cicih, 2020), not even specifically for older workers. So far, there have been no studies evaluating recovery policy efforts at individual employment rates by age group, particularly older workers in the Indonesian labor market. Also there has methodological gap and only a few studies were conducted at the individual level and type of work (e.g.: Dingel & Neiman 2020; Montenovo et al., 2020; Sostero el al., 2020). No studies have yet been conducted to outline the impact of Covid-19, digitalization, and globalization to evaluate relevant policy responses.

Methodological gap:

The aftermath of the 1998 crisis had transformed the employment structure in Indonesia. The informal sector acted as a cushion to absorb workers from the formal sector who became unemployed as a result of the crisis. As a consequence, contrary to Rostow's growth theory where the formal sector is expanding and the informal sector shrinking, the reverse is true that some pundits warn of an impending deindustrialization process where the manufacturing sector is shrinking instead of expanding. A BPS data showed that in 1998 the economy and manufacturing sector shrunk by 13 percent (cited in Surbakti, 2005, p. 98). On the other hand, the informal sector increased substantially as a result of unemployed formal sector workers ending up in the informal sector (McGee and Firman, 2000). Workers in Indonesia could not afford to be unemployed because, unlike most developed countries, the Indonesian government does not sufficiently provide unemployment benefits to those who are not working. Thus, there is overcrowding of the informal sector and decrease in real wages due to increased competition in the informal sector (Bird and Manning, 2003). This phenomenon was not directly captured by any formal employment surveys, including those conducted by Statistics Indonesia.

The expansion of the informal sector is part of the global development of the labour force where employment has become more flexible. Flexibility of labour not only refers to flexible jobs such as part time employment, but also includes flexible time at work where workers only work and are paid on demand. This means that workers do not have job and income security because their work is based on fluctuations in demand for the products being produced (Standing, 1999). This is not to be confused with a flexible labour market. Egger and Sengenberger (2001) define labour market flexibility as lower cost and higher speed of adjustment in the labour market to changing conditions in the economic cycle. Oxfam International (2002) define as 'good' flexible labour market as a condition where it would be easier for workers to move from one job to another, as opposed to a 'bad' flexible labour market where employers can easily fire workers to make way for new ones. Flexibility of the workplace also creates flexible workers such as fixed term contract workers and outsourced workers. Information for these types of workers is not captured through the current SAKERNAS (the National Labour Force Survey) questionnaire. In Indonesia, there are indications that flexible workers are growing and becoming more and more a norm rather than the exception (Surbakti, 2005).

Methodology

Design study: cross sectional study using mix method, both quantitative and qualitative study. Locations: in Indonesia. Data Sources: The data that will be used are primary and secondary data. The primary data collection will be conducted by quantitative and qualitative approach. The secondary data will be collected based on the desk study results and data analysis from various official institutions to support the results. Main sources will be collected from BPS Statistics Indonesia. Data Collections: The quantitative data will be collected by online surveys and virtual interviews. The online survey will be conducted to compile comprehensive information through sharing of the survey link directed to older person in Indonesia. In addition, we will select the two group of Focus Group Discussion (FGD).

Outcomes

This project will identify factors that directly and indirectly affect the ageing labour productivity due the changing of new norms and workplace. In further, provide an overview of prospective competencies in the new normal era to support the improvement of the relationship between old workers and the business world and their relation to labour market developments in urban and rural areas, gender equality and between generations. Strengthening empirical studies of the impact of COVID-19 on the labour market, especially in terms of changes in work location and productivity, reduced working hours, reduced wages, layoffs. Prepare recommendations for alternative policy strategies for the recovery of the old-age labour market and improvement of the capabilities and competencies of old-age workers in the new normal era.

Timetable for completion :

COMPONENTS	CATEGORY	No of people to be involved	Duration
1. Literature Study	Service	3	6 weeks
2. Identifying and designing Questionnaire	Service	4	8 weeks
3. Review and pre-test of Questionnaire	Service	4	6 weeks
3. Survey preparation	Service	4	4 weeks
3. Implementation Survey	Survey	4	6 weeks
4. Data Processing & examining	Service	2	4 weeks
5. Discussion	Service	5	2 weeks
6. Supervision	Service	4	2 weeks
7. Report writing of research paper	Service	4	8 weeks
8. Presentation of final result & internal Indonesia University- Seminar (preparation and management)	Seminar	2	1 week
9.Preliminary International Seminar	seminar	2	2 week
Total: approximate			12 months

Research team:

Dr. Lilis Heri Mis Cicih, MSi, will take a lead and involve to the whole of the research project going to be run. She is the main investigator and simultaneously as a project manager of this research project. Senior lecturer -staff and researcher at Indonesia University since 1991 Specialist areas: ageing, demography, gender, health policy, community development, public health, labour and poverty, and consultant for some International agency, such as WHO, USAID, UNESCAP, JICA, APO Japan, UNDP, and World Bank in demography, ageing labour force, economic development. She will be the overall leader for this project. She has experience in comparative study among Asia counries about ageing labour force participation and gender mainstreaming.

Sri Hartini Rachmad, MPS., MA., the main investigator of this research project and has responsibility to draft the ideas proposal together with Ms Lilis. She will involve to all stage of research project activities. Sri is a senior staff as lecturer at STIS – Polytechnique of Statistics Institute, Jakarta and researcher at BPS Statistics Indonesia since 1990, mainly experience in social-economic demography and statistics application. Since 2003 up to now, she had been appointed in labour division and much involved in designing, measuring, reporting and analysing the labour economics data in Indonesia. Both of us will take a part in designing the surveys, setting up the instrument of survey and training, also conducting interview, supervision of survey and analysing data.

Dr. Ardi Adji, MSi., is a lecturer at Paramadina University and Indonesia University, Jakarta on Economic Development. He is also a policy analyst at the National Acceleration of Poverty Reduction of Chief Presidential Office , Republic Indonesia. He will take responsible and take apart on the designing instrument survey, running data collection and involving on research analysis.

Prof. Aris Ananta, as a resource person. He is in Asia Research Institute, National University of Singapore as an expert researcher based in a third country. His expertise on labour force economic in Indonesia and ageing for many decades will provide valuable support in developing the high quality instrument survey and to supervise the running of the project. He will work part-time over a certain short period, particularly in the earlier and middle stages of the project.

Nugroho Abikusno, PhD, as a resource person, graduated from the School of Public Health, University of Hawaii in Manoa 1996. Together with the team leader, he was involved in the National Plan of Action of Older Person Health 2020-2024 and their instruments, developed an algorithm of the older person health services, and a guideline of Senior Living Standard on 2020. He also has experience as a research coordinator on Needs Assessment of Elderly in south Jakarta funded by RI Ministry of Health – World Health Organization 1997; and project coordinator and research coordinator on Addressing Ageing Issues in the family and community in Indonesia funded by RI State Ministry of

Population/ National Family Planning Coordinating Board – UNFPA 1998-1999 to produce the National Plan of Action (NPA) on Older Person Welfare development, Social Cultural profile of Older Persons in Indonesia, NPA advocacy to stakeholders. He was collaboration with Lilis Heri Mis Cicih in any ageing activities.

References:

BPS (2020). Survei Angkatan Kerja Nasional (SAKERNAS), *Pedoman Pencacah*, Badan Pusat Statistik, Jakarta.

Bird, K. & Manning, C. (2002). *Impact of minimum wage policy on employment and earnings in the informal sector: The case of Indonesia*. Paper from the 8th Convention of the East Asian Economic Association, 4-5 November 2002: Kuala Lumpur, Malaysia.

Cicih, Lilis Heri Mis (2020). Impact of COVID-19 Pandemic to Older Person Life. Jakarta: BKKBN.

Egger, P. & Sengenberger, W. (2001). *Decent work issues and policies* (Decent Work Pilot Programme Draft Paper). International Labour Office, Geneva.

McGee, T. & Firman, T. (2000). Labour market adjustment in the time of *krismon*: Changes in employment structure in Indonesia, 1997-98. *Singapore Journal of Tropical Geography, 21*, 3, 316-335.

Oxfam International (2002). *Rigged rules and double standards: Trade, globalisation, and the fight against poverty.* London: Oxfam International.

Standing, G. (1999). *Global labour flexibility: seeking distributive justice*. MacMillan, Basingstoke.

Surbakti, I. (2005). *Labour Standards under Decentralisation and Globalisation: The Impact of the Minimum Wage Policy in West Java, Indonesia. Phd Thesis*. Massey University, Palmerston North.

By submitting this proposal I, Lilis Heri Mis Cicih declare that all nominated researchers have agreed to participate in the project.

No.	Activities	Calculation								Unit Cost (IDR)	Total (IDR)	Total (USD)
1	**Remuneration**											
	Team Leader											
	Jan - sept	1	prs	x	9	mos	x	70%		30,000,000	189,000,000	13,169
	Oct - Des	1	prs	x	3	mos	x	60%		30,000,000	54,000,000	3,763
	Team Member											
	Jan - sept	2	prs	x	9	mos	x	60%		20,000,000	216,000,000	15,050
	Oct - Des	2	prs	x	3	mos	x	40%		20,000,000	48,000,000	3,344
	Resource Persons	2	prs	x	4	mos	x	30%		30,000,000	72,000,000	5,017
2	**Data Collections**											
	Data Collection - Online survey											
	Daily allowance	10	prs	x	30	day	x	1	time	300,000	90,000,000	6,271
	Inter-town transport	10	prs	x	30	day	x	1	time	300,000	90,000,000	6,271
	Internet fee for virtual interview (interviewer)	10	prs	x	30	day	x			100,000	30,000,000	2,090
	Internet fee for virtual interview	500	sites	x	1	day	x			100,000	50,000,000	3,484
	Honorarium for Interviewer	10	prs	x	30	days				100,000	30,000,000	2,090
	Transportation for interviewer	10	prs	x	30	days				250,000	75,000,000	5,226
	Internet fee	10	prs	x	30	days				100,000	30,000,000	2,090
3	**Analyze the findings**											
	Consultative Meetings - meeting with stakeholders											
	Resource Persons	3	prs	x	5	times				1,000,000	15,000,000	1,045
	Facilitator (MOH)	1	prs	x	5	times				700,000	3,500,000	244
	Workshops on finding and draft of the recommendation											
	Resource Persons	3	prs	x	3	times				1,000,000	9,000,000	627
	Facilitator (MOH)	1	prs	x	3	times				700,000	2,100,000	146
	Internal Meetings											
	Refreshment	12	prs	x	20	times				66,000	15,840,000	1,104
	transportation	12	prs	x	20	times				130,000	31,200,000	2,174
	Core Group Meetings											
	Facilitator (MOH)	1	prs	x	5	time				700,000	3,500,000	244
	Internet fee (MOH)	10	prs	x	5	time				100,000	5,000,000	348
6	**Miscellaneous**											
	Communication (internet/phone)	1	pack	x	12	mos				750,000	9,000,000	627
	Photocopy (reports and deliverables)	1	pack							2,500,000	2,500,000	174
	Stationary	1	pack	x	11	mos				500,000	5,500,000	383
	Total										813,600,000	56,689
7	**Institutional Fee**	**10%**									**81,360,000**	**5,669**
	Grand Total										**894,960,000**	**62,358**

UNORE USD1 = IDR14,352

Depok, 15/6/2021



Dr. Lilis Heri Mis Cicih

CURRICULUM VITAE OF PROJECT TEAM



1. Dr. LILIS HERI MIS CICIH, MSi

Lilis Heri Mis Cicih, is a senior researcher at Demographic Institut, Faculty of Economic and Business, Universitas Indonesia, and also she is lecturer in Faculty of Economic and Business, Universitas Indonesia and Public Health Faculty Universitas Muhammad Husni Thamrin. She is also support the older person community institute (LLI or Lembaga Lanjut Usia Indonesia) as a management member.

Her background study is 2015 Doctoral Program of Public Health, Public Health Faculty of, Universitas Indonesia; 1999 Master of Population and Manpower on Economic Demography, Faculty of Post Graduated Study, Universitas Indonesia; 1991 B.A. Nutrition Community and Household Resources, Faculty of Agriculture, IPB University.

Her interest topics are: public health, health policy, ageing, demography, community development, community engagement, health economic, environmental health, social protection, gender, and dissability. She has experiences also as an expert, resource person, and trainers in many activities. She conducted many research nationally and internationally. There are selected research: 2020 as a **Principle Investigator** with WHO Indonesia project titled technical assistance for the implementation of the national action plan on elderly health 2020 – 2024, developalgorithm and its instruments, including senior living standards to incorporate within the National Action Plan implementation; 2020 as a Principle Investigator with BKKBN Indonesia project titled Older Person and Demographic Bonus; 2017 – 2019 as co-Principle Investigator with USAID, Minnesotta University and Ecohealth Alliance project titled Disease Emergence and Economic Evaluation of Altered Landscape; 2015-2017 as national expert in collaboration research between Asian countries project with The Asian Productivity Organization (APO) Japan, titled Research on Aging Societies and Gender Mainstreaming in Human Capital Development (Comparative Study in Asian Countries); 2007-2009 as an health expert with UNDP Indonesia in project titled HDR (Provincial Human Development Report) Gorontalo Province; 2005 as a Principle Investigator in UNESCAP Bangkok project titled 2005 Need Assessment on The Impact of Tsunami for Aceh People (especially for older persons); 2001 as a statisticiant in JICA project titled Basic Study for Horticulture Statistics Development. Statistical Expert. On 2003, she has experience to conduct activity research in Institute of Southeast Asian Studies (ISEAS), Singapore as a visiting research fellow to arrange the book titled “Indonesia’s Population, Ethnicity and Religion in a Changing Political Landscape”. In national project, she also has experience as a principle investigator, for examples: 2016 with Bappeda Kota Depok in the project titled Population Analysis of Depok City. Bappeda Kota Depok; 2016 with Bappenas in the project titled Evaluation of Ageing Policies and Program in Indonesia; also on 2006 with *Kementrian Desa Tertinggal* RI in the project titled Verification and Validation of Disadvantaged Villages in Papua Province and West Irian Jaya.

There are another several research title which she conducted: 2012 Social Assistance Needs of Poor and Vulnerable Elderly. Help Age International, TNP2K, and LDFEUI; 2007 – 2008 Promoting Decent Work in Global Production Systems in Asia and Pacific. A Case Study of Seafood Industry in DKI Jakarta, Indonesia – ILO; 2002–2003 Monitoring Use (Implants, Injections and Pills) UNFPA; 2001 – 2002 Health Consequences of Tobacco Consume WHO; 2000 Comparative Study on Effects of Socioeconomic Factors, Industrialization on Mortality in Indonesia and Japan - Toyota Foundation; 2000 The Influence of Anti Tobacco Campaign to Tobacco Consumption-WHO; 2018-2019 Making the Draft Law of Older Persons (Writer for Academic Script). MOSA RI, Ministry of Health, Ministry of Law and Human Rights, and BKKBN; 2017 Evaluation of Urgency Revision

of Law Number 13 of 1998 about Older Persons Wellbeing (MOSA, and Ministry of Law and Human Rights); 2016 Obesity of Fertile Age Women in Indonesia in the Demographic Social Perspective (Riskesdas 2013 Data Analysis); 2016 Analysis of Poverty Status and Ownership of Social Security for Older Persons in Health Seeking Treatment in Indonesia; 2015 Analysis of Stratification of Socio-Economic Healthy, Active and Productive of Older Persons - Universitas Indonesia; 2015 Analysis of Family Planning in Indonesia – BKKBN; 2015 Building Ageing Resilience Index in Perspective Healthy, Active and Productive in Provincial Level; 2013-2015 Building Ageing Resilience Index in Global Level; 2013-2015 Panel Study of Older Person Socio Economic Status; 2013 2012 IDHS Data Analysis : Parity Progression Ratio – BKKBN; 2013 Benefits and Impact of Integrated Library in Support of Scientific Communication (scholarly Communication) Among academic community; 2012 Building Composite Index Protection of Women Against Violence – Bappenas; 2011 Policy Analysis of Food Consumption and Safety in Depok City - Bappenda Kota Depok; 2010 Building Composite Index of Child Protections; 2010 Evaluation of Older Persons Program of Ministry Social Affairs; 2009 Analysis of Population and Family Planning Development in Midterm Planning of National Development (RPJMN) 2010-2014. 2009 Accelerating of the Millennium Development Goals (MDGs) Achievment in Reproductive Health (GOAL 5B); 2007 – 2008 Population Growth, Family Planning Policy and Demographic Bonus.; 2007 – 2008 Strategic Issues of Population, Family Planning, in Indonesia. BKKBN; 2007 Indonesian Vision and Mission 2030; 2006-2007 Population Growth, Family Planning Policy and Demographic Bonus. Bappenas; 2005 Older Persons Data Collection in Several Provinces; 2005 Study of Population Conditions for National Policy-Bappenas; 2011 Gender Equity and Equality Index in Indonesia: National, Provinces and Districts. Bappenas.

She is also as a resource person in several institutions, for examples: 2020 RI Parliament for the People's Advisory Council (DPR), arranging the Academic Script and draft law of Older Person Wellfare; 2003-now Ministry of Social Affairs RI (MOSA) for developing several regulation draft, academic manuscript of older persons welfare; guidelines, there are scope of Older Persons Social Rehabilitation; older person campaign; Shelter for Older Persons, and older person program (Home Care, Family Support, Economic Activity, Older Person Group Activities), also she conducted verification for older person award champion; 2019 – 2000 Bappenas for Long Term Care program and SILANI (*Sistem Informasi Lanjut Usia Nasional*); 2019 Resource person, in making National Action Plan of Older Persons Health (RAN Kesehatan Lansia); 2019-2020 Ministry of Women Empowerment and Child Protection RI to develop guidelines such as *Seputar Lansia dan Tindak Kekerasan*; *Panduan Perlindungan Lansia Berbasis Gender; Panduan Gerakan Sayang Lansia;* 2017 with the BPJS *Ketenagakerjaan* calculating Mortality and the Life Table of BPJS *Ketenagakerjaan* Participants; 2017 with MOSA RI developing a Regulation of Age Friendly Cities/Area; 2017 with LIPI reviewing the result project titled Globalization and Aging Communities in China: Potency and Older Persons Tourism; 2017 in BPS Statistics RI developed Profile of Older Persons in Indonesian; 2017 in *Seminar Nasional Demografi 100 Tahun Kemerdekaan Indonesia*; 2017 with Demographic Institute FEB UI in seminar *Menyongsong Era Lansia 2045*; 2017 with Indohun Indonesia in Papua Barat and East Kalimantan Indonesia to discuss about DEAL, Impact of Economic Evaluation of Altered Landscape; 2016 – 2017 in academic writing of the Older Persons law No. 13 year 1998 about Older Persons Wellbeing; 2016 with LIPI Indonesia reviewed the result of research titled Silver-hair tourism industry in Hong Kong and 2015 titled Managing Ageing Society in China; 2009 with *Perkumpulan Keluarga Berencana* Indonesia (PKBI) in Journalist Orientation Training, she shared about Strategic Issues of Population, Family Planning and Development; 2009 with MOSA RI in Regional Forum “Increasing in Services Quality in Older Persons Institution”; in topic Leisure time exploitation in older persons institution; and in topic Classification of older persons institution. Also with MOSA RI, on 2010 she involved in Program Review titled Day Care for Older Persons; and Institution for Older Persons; on 2008 she involved in National Midterm Development Plan 2014- 2018 on Population and Social Protection; 2008 In Discussion of Population and Development. The Window of Opportunity and Development Planning; 2008 with JEN in seminar titled Increasing in Health Status toward Increasing in Human Developmen Index of Gorontalo Province.

She also has experiences to present the study result in national/international conferences. There are several oral presentations, for examples: 2020 in the 2nd International Webinar Family Planning and Family development Program in Asian Countries"; 2020 Age-Friendly University, Gerontology and Geriatrics International Webinar; 2020 in the 9th IARFT Webinar "Multi Perspective On Aging And Well-Being In Old Age; 2019 in the 2nd ICEE-SEAN 2019- Second Forum "Understanding Current Economics Education: Issues and Challenges" Kuala Lumpur Conference titled: Understanding Current Economics Education: Issues and Challenges; 2019 in ISBIS (International Society for Bussiness and Industrial Statistics) Conference titled Gender Mainstreaming in Fisheries' Household in Indonesia: statistical analysis, Kuala Lumpur; 2018 in South-East Asia Biennial Conference on Population and Health, titled Expanding national health insurance scheme in the informal sector in Indonesia, Indonesia; 2018 in the 7th Global Conference on Gender in Aquaculture & Fisheries title Gender Mainstreaming in Fisheries' Household in Indonesia'. The Asian Institute of Technology (AIT) Bangkok, Thailand; 2018 in Aging & Society-Eighth Interdisciplinary Conference titled Economic Status of Older Persons and Their Participation in National Health Insurance Toyo University, Tokyo, Japan; 2018 Health Expectancy in Center for Ageing Research and Education (Care) DUKE-NUS Medical School Singapore; 2018 in Prince Mahidol Conference Award (PMAC) with theme "Making the World Safe from the Threats of Emerging Infectious Diseases" with titled presentation Disease Emergence and Economic Evaluation of Altered Landscape (DEAL) Bangkok, Thailand; 2016 in The 23rd Rehabilitation International World Congress Edinburgh Scotland titled Older Person with Disability: the Development an Ageing Resiience; 2015 in Conference on Raising Productivity in Higher Education APO Japan; 2017 in Conference on Female Older Persons Workforce Participation and Productivity Enhancement APO Japan; 2015 in New Delhi titled women participation and ageing mainstreaming; 2015 in 47 th APACPH Conference, Indonesia titled The Development A Global Elderly Resilience Based on A Perspective of Healthy, Active, and Productive Ageing; 2015 in 3rd APA Conference, Kuala Lumpur Malaysia titled Building Ageing Resilience with Healthy, Active, and Productive as an National Resilience Asset; 2015 in New South Wales University, Sydney: APRU Ageing Conference; 2014 in the 2nd Asia Engage Regional Conference titled "Innovation & Creativity: Collaborating with Communities to Tackle Problems across ASEAN, Asia and Beyond"; 2012 in International Conference The Role of Higher Education Institutes to Promote Older Persons Wellbeing: An Interdisciplinary Approach in Caring for Older Person with titled presentation "Socio Economic Status of Older Persons in Indonesia"; 2010 in the 1st APA Conference New Delhi-India. titled Work Ability of Older Persons.

She attended international courses, for examples: 2004 Bangkok Thailand titled APN (Asia Pacific Network) Training Workshop titled "Health And Well-Being Over The Life Course"; 2004 Malang Indonesia titled "Old Age Vulnerabilities Asian And European Perspectives"; 2004 Indonesia "Nutrition Surveys and Supplementary/ Therapeutic Feeding in Emergency Situations"; 2002 in 31st Summer Seminar on Population: "HEALTH PLANNING for AGING POPULATIONS" Honolulu Hawaii; 2002 Nihon Tokyo Japan in 2nd Training Workshop on "HEALTH EXPECTANCY for DEVELOPING COUNTRIES"; 2017 in Economic Modelling and R –statistics Training; 2017 Training Economic Valuation.

She has experiences in community services, for examples in 2019 Member of The international community (ISBIS, APA, APO, Asia REVES, ISI, EWC Alumni) and national (IPADI, and IAKMI). For her publication, there are 2 international books, more than 20 books/guidelines, around 6 articles published in newspapers since 2014; around more than 10 proceeding in international conferences; more than 30 popular article were published in bulletin/popular publication/ministry website; two journal articles; and more than 5 policy briefs. Also she received award on 2011 as the First Winner Poster Session in Southeast Asian Countries and Active Ageing Consortium Asia Pacific Meeting and Workshop on Designing Age Friendly Communities to Enhance Ageing in Place; 2012-2015 UI grand for Community engagement.

CURRICULUM VITAE



Name : Sri Hartini Rachmad
Nationality : Indonesian, born in Teloyo (Klaten) Central Java-Indonesia, 2nd December 1968
E-mails : shrachmat@yahoo.com and shrachmat2@gmail.com and shartini@bps.go.id
Occupation : - Researcher on Social-Economic Demography and Statistics Applied
- Lecturer and research student advisor at STIS - Statistics Institute, Jakarta
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Education

Institution and Location	*Degree*	*Dates*	*Field of Study*
The ANU - Australia National University, Australia	*Master of Arts*	2002	International Development in Demography
The ANU - Australia National University, Australia	Master of Population Studies	2001	International Human Resources Development and Policy in Demography
The Nahdlatul Wathan University, Indonesia	Undergraduate	1996	Math
The Statistics Academy (since 1997 became STIS- Statistics Institute of Indonesia),	Bachelor of Arts (awarded a full scholarship by Indonesia Government- managed by STAID)	1990	Statistics Applied

Working Experience

Institution and location	*Dates*	*Roles and Responsibilities*
Statistics Institute, Jakarta – Indonesia.	January 2004 – present	*Lecturer and student research advisor* In the field of demographic policy and technique, economic development and statistics application.
Collaboration between BPS and LIPI : Analysis and deep investigation on thematic social culture of Indonesia regarding the Long form 2020 Population Census	Januari 2020 – December 2021	*Team work of researcher*
Collaboration research work with CSIRO, Australia	October 2019- present	*Team work of international meeting and research work*
Disability Coalition of Indonesia Jakarta. Indonesia	June - December 2020	*Consultant/ main investigator of Pilot on developing the grand design and instrument of disability population census. The Census will be run 2021 coming.*

Speaker, Member delegation and A Chief Country Representative Delegation at International Meeting

- Research paper on conference 'Digitalization and Sustainable Economic Development, 8-10 December 2020, Asian Development Bank Institute, on titles: **'Boosting Digital Enterprises And Reducing Inequalities Of Online Business Inter-Islands In Indonesia'.** Under reviewed for **ADBI Working Paper Series 2021.** *[https://www.adb.org/sites/default/files/event/639801/files/adbi-digitalization-and-sustainable-economic-development-agenda.pdf]*
- Research paper September 2018, Indices and spatial approaches to the measurement of well-being on titles: **'The Construction of well-being index of older people in Indonesia'** in the IAOS and OECD Conference, Paris https://www.unescap.org/events/better-statistics-better-lives-asia-and-pacific-region-contributes-strongly-2018-oecd

- Presenting research paper on a the 35th IARIW General Conference Copenhagen, Denmark, August 20-25, 2018, Session 6B: special issues, "Human Capital and Innovation" on titles: **'Internet Users, Market Target and Digital Trading of MSMEs in Indonesia'.**
- **Presenting** research papers November 2017 on titles: **'Longitudinal Assessment of the Youth Labor Market Uncertainties on Wages Discrepancy Perspective in Indonesia'** *https://ari.nus.edu. sg/ Assets/repository/files/events/0_Program_Abstracts_as%20of%20Oct%2017%20(W).pdf*
- **"Adaptive Tools to Evaluate the Interventions' Program on Climate Change and Disaster: Index of Disaster Preparedness Measurement",** published. Springer. *[http://www.ihdindia.org/pesconference/pdf/Sri-Hartini-Rachmad.pdf]*
- **"Indigenous Rights and Health of Javanese in Indonesia",** Stockholm, Vilagathan – Sweden, 15-17 June 2015. *Available downloaded [http://www.vaartoe.umu.se/aktuellt/colonisation-indigenous-health-and-history/program/]*
- **Served as a chair** for the IARIW-UNSW Conference on **Productivity: Measurement, Drivers and Trends**, Sydney, Australia, November 26-27, 2013 [*http://www.iariw.org/c2013australia.php]*
- **"Indonesia's Employment and Labour Structure: Some Implications for a more Gender Inclusive and Equitable Development", Main speaker.**
- **"The Reliability and Comparability Perspective of Indonesia's Population Census"**, selected and presented for Seminar on "Uses of census data in Europe in a comparative perspective". *[url address:*http://projet_census.site.ined.fr/en/seminar_in_barcelone_9_11_june_2011/program/
- **"The Socio Economic Circumstance of Acehnese: Prior and Pasca Tsunami Attack"**,
- **"The Methods Assessment of Household Consumption Data Quality"**, Population projections, Demographic Methods, Data related issues.
- **"Gendered Patterns of Urban Commuting with better Connectivity in Jakarta Megapolitan Area"**, Published at *[http://www.developmentbookshelf.com/doi/10.3362/9781780440507.013]* edited by Professor Kyoko Kusakabe.
- **"Social Construction: Informality of Women's Work Started from A Young Age in Indonesia"**, presented at the International Psychosocial Workshop, Marriott Renaissance Hotel, Detroit-Michigan. 28-29 April 2009.
- Research Paper for Master of Arts in Demography Graduate Program (2001), **"A Critical Analysis of Unemployment 'Change' in Java: Pre-Crisis up to 1999"**, in Demography Research School of Social Sciences (RSSS) The Australian National University (ANU) Canberra, unpublished.
- Research Paper for Master of Population Studies in Demography Graduate Program (2000), **"Measuring Poverty in Indonesia"**, in Demography Research School of Social Sciences (RSSS) The Australian National University (ANU) Canberra, unpublished.
- Research Paper for Bachelor of Statistics in Statistics Institute (1990),"Analisa Perkembangan Saham di Bursa Efek Jakarta Periode Januari 1987 – September 1989" [**The Analysed Trend of Stock in Stock Exchange Jakarta in January 1987 – September 1989 Period**], internally published at Statistics Institute.

Involvements on Working Research-Statistics in some Surveys and Censuses

- The 2016 Economic Census Analysis **"Digital Economics Analysis",** published early of 2018, BPS.
- Designing instrument of **Indonesia Economic Census 2016** of which SMEs included.
- **Trainer** at Central Training of BPS in 2007 on the topic of **"Census Campaign"** for UNESCAP member countries which hosted in BPS' National Office, Jakarta, Indonesia.
- Discussion on **labour and poverty indicators among Asia Pacific countries** which hosted by ABS (Australian Bureau of Statistics) in Canberra – ten days, October 2007.
- *A project on **"Basic Services of Health and Education Survey in 2007"**, as an embryo of social safety net pilot study in Indonesia, in collaboration with Health Ministry, Social Ministry, BPS Statistics Indonesia and World Bank, Jakarta. As National Instructor for enumerators across provincial in Indonesia.*
- Designing, implementing, monitoring and analysing **the Pilot project survey on: Working Children and Child Worker in Indonesia Survey both in 2005 and 2008**, BPS-Statistics Indonesia, Jakarta.
- Trainer of training in The Inter Census of Indonesia 2005, BPS-Statistics Indonesia.
- Trainer of training at some provincial level in **"The Enumerator of National Labour Force Survey in Indonesia 2005 and 2007"** and **"Labour Force Computer Data Processing"**, BPS - Statistics Indonesia.
- National instructor of Surveyor of Social Economic National Survey in 1997, 2003, 2004, 2006 and 2007, mainly in the three main modules: health, education and consumption.
- Discussion on Gender Analyses and Planning coordinated by Women Empowerment Ministry of Indonesia, 12-19 December 1997, Cisarua Puncak – West Java.
- Manager project of the vehicle census in **West Nusa Tenggara Province in 1993–1994**, conducted at the Provincial level. Started from designing instrument census, coordinator in implementation, electronic data processing and publication.
- Speaker at the workshop on Application and Demonstrated Software of Geography Information System (GIS) for Monitoring and Evaluation Development in theme: **"Identify and Solution Problem of Poverty Alleviation in NTB"** in October 1993, coordinated by National Planning Board of Indonesia and funded by UNICEF and World Bank
- Supervised in the many topics of surveys and censuses in BPS West Nusa Tenggara Province.
- Team member of many surveys and censuses related to demography and social-economics data at BPS West Nusa Tenggara Province.

Research and Consulting Support

Title of Study	***Role***	***Dates***	***Budget***
Assessing the Field Management Strategic Methods on Population Census in Developing Country – Indonesia	Drafting and researching, initiating of the idea research topic in terms of producing a working paper. This research done to support the effective and efficient of data management collection in	July 2017- December 2019	Indonesia Gov Fund. Supported access sources and directed to BPS National Statistics Office particularly and other developing countries in general.

	order to achieve the high accuracy and reliable of population census data collection. Principal Investigator		
Assessing the Asian Disability Data System	Drafting and researching, initiating of the idea research topic in terms of producing a working paper to provoke policy formulation on 'Disability Policy Paper' at the Asian region Principal Investigator & *(Consultant)*	January 2017- June 2017	EURO fund. Supported access data and directed to BPS National Statistics Office and ADF (Asian Disability Forum). This research done to support policy paper of Disability inclusion in the Development and SDGs (Sustainable Development Goals) achievement in Indonesia particularly and Asian region generally.
Methods development on disability data collection in developing country (Indonesia) *(Principle Investigator)* Pilot in 3 regency for testing instrument National Disability Data collection into International Standard	Initiating of the idea research topic at the UNs meeting at Asia-Pacific UNs office, Bangkok Principal Investigator	June 2013- May 2014	Trust Fund via UNs downlines: WHO – UNFPA – UNICEF at Jakarta Offices. US$ 175,000.
Human Development Report of Bangka Belitung Province (PHDR)	Main researcher and Consultant Lead in analysis and writing of PHDR	July 2013 – May 2014	UNDP-Indonesia and the Regional Planning Board of Bangka Belitung Province
Gender Review Research Consultancy for Oxfam Great Britain, Indonesia,	Gender Consultant	15 February – 15 March '10	OXFAM Great Britain, International NGO
The statistical capacity building project for BPS "Re-Engineering Management Change and Reform"	Research Team	February 2008 - December 2009	World Bank and GoI through the National Planning Board (Bappenas)
The Survey and Wages Standardization for labour at National level – Indonesia 2007	Consultant and Principal Investigator	2007 – 2008	Minister of Manpower and Immigration of Indonesia Government
Evaluation and Manpower Report Statistic Section Indonesia	Researcher. Design survey instrument; supervise data collection of 50,000 households across Indonesia;	2003-2007	Indonesia Government
Program Exchange at Australian Bureau of Statistics-Centre Office-Canberra	Internship Exchange Work among South East Asian Statistics countries	December 2001 – April 2002	Australia Government. Australian Bureau of Statistics, Centre Office-Canberra
The vehicle census in West Nusa Tenggara Province, conducted at the Provincial level.	Manager project, Responsible on Starting from designing instrument census, coordinator in implementation, electronic data processing and analysis for publication.	1993–1994	Regional Income Office of Nusa Tenggara Barat

CURRICULUM VITAE



Dr. Ardi Adji

Personal Data

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NPWP number :	**14.060.257.4-101.000**
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Education

2003- 2009:	PhD - Majoring in Economics Science, University of Indonesia Jakarta.
2001- 2003:	Economic Faculty (Master Degree) Majoring in Economic Science, University of Syiah Kuala, Banda Aceh
1998- 2000:	Bachelor in Statistics Application, University Terbuka Jakarta.
1996- 1999:	Diploma III in Statistics, Institute of Statistics Jakarta (STIS)

Work Experience

30 June 2018-30 June 2021	Lecturer at Indonesia University ,and Data- Statistics Specialist, TNP2K
November 15, 2019 - June 01, 2020	Statistician, Management Systems International (MSI) , DONESIA M&E SUPPORT , Jakarta, Indonesia
Oktober 2017-Feb 2018	EFI Project Maping Consultant (Europan Forest Institute). INOBU (Papua) and 049/INOBU/X/2017-10-23
April-December 2017	Susenas Data Analysis, HP+ Indonesia, PT Palladium International indonesia
June-December 2016	Support TNP2K-Vice President Office as The Senior Economist Revision Formula and Use of Village Fund Jakarta-based
April-June 2015	Support Directorate for Regional Autonomy National Development Planning Agency (Bappenas)- Economist in the preparation of the Transparency Model Funds Transfer To The Local Finance in Development
August-December2014	Support TNP2K-Vice President Office as Data Analyst for Difficulty Index Geographic as the basis for the allocation of the Jakarta-based Village
Mart -December 2014	Support BIG and Regional Directorate of Bappenas as Regional Economist in Sumatera Island Utilization Data Utilization Models in the Study of Spatial Dynamics Dynamic Spatial dab Sumatra Island.
Mart -November 2014	Support Regional Development Planning Agency (Bappeda) East Kalimantan as an Economist in the Research Utilization Regional Spatial Dynamics Model Study RPJMD As Province East Kalimantan 2014-2018

2014-present	Lecture of Postgraduate MPKP University of Indonesia-Jakarta
June-November 2014 August- Nov 2013	Assistant Research Fellow Financial Inclusion - Mandiri Institute Economist-Local for Provincial Human Development Report of Bangka Belitung
April-May 2013	Consultant- Human Development Issues for the Formulation of PHDR Theme of Bangka Belitung (Babel) Province

Research and Publication

Policy brief 2020	Maximizing the Role of Program Sembako During the COVID-19 Pandemic Period, http://tnp2k.go.id/download/42771PB%20SembakoCovidFIN.pdf
Policy brief 2020	Prioritizing the Use of Village Funds: Bantuan Langsung Tunai Desa http://tnp2k.go.id/download/98837PBPengunaanBLTDFINAL.pdf
Policy brief 2020	Poverty Dynamics in Indonesia http://tnp2k.go.id/download/35211PB_Poverty%20Dynamic%20in%20Indonesia_FIN.pdf
Policy brief 2020	Promoting Effectiveness of Village Development Through Performance Allocation http://tnp2k.go.id/download/35211PB_Poverty%20Dynamic%20in%20Indonesia_FIN.pdf
Working Paper 2020	Village Development: Spatial Effect vs The Performance of the Village Government? file:///C:/Users/ardi.adji/Desktop/Penilaian%20Peneliti%202020/68791WP52ENGFinal._ardi%20feb2020pdf.pdf
Working Paper 2020	Mismatch Of Village Development Indicators In Indonesia http://tnp2k.go.id/download/36538WP51EngFA1704.pdf
Working Paper 2020	Leading Indicators of Poverty in Indonesia: Implementation of Short-Term Outlook http://tnp2k.go.id/download/5994WP49_Leading%20Indicators_FIN_0414.pdf
Working Paper 2020	Priority Regions for Prevention of Stunting http://tnp2k.go.id/download/8831947WPstuntingENGF.pdf
Buku, November 2019	Pengembangan Peta Status Gizi Balita di Indonesia ISBN: 978 - 602 - 275 - 196 – 0 http://tnp2k.go.id/download/72303PetastatusgizibalitaFINAL.pdf
WORKING PAPER 43 - 2019	HARMONISATION OF SUSENAS AND RISKESDAS http://tnp2k.go.id/download/7306143WPRiskesdasENGFA.pdf
KERTAS KERJA 44 - 2019	PENGEMBANGAN PETA STATUS GIZI BALITA DAN PREVALENSI STUNTING http://tnp2k.go.id/download/5209444WPStuntingFIN.pdf
Policy brief 2019	Prototipe Penyusunan Indeks Kerawanan Asupan Gizi (IKAG) http://tnp2k.go.id/download/3254888740PB%20IKAG-final291019.pdf
Policy brief 30 Sept 2019	Policy Brief: Improving the Rice Production Calculation Method http://tnp2k.go.id/download/69824PB%20BerasEngFINAL.pdf
Policy brief 5 Sept 2019	Urban Village Fund (Dana Kelurahan) Allocation, Formulation, And Utilisation http://tnp2k.go.id/download/45163PB%20Dana%20kelurahan%20ENGFIN.pdf
Ringkasan Kebijakan 2019	Industri Kelapa Sawit, Penanggulangan Kemiskinan dan Ketimpangan http://tnp2k.go.id/download/14761PB%20SawitFINAL.pdf
WORKING PAPER 40 - 2019	Reform On Village Funds Formulation http://tnp2k.go.id/download/1986840WPVillagefundEngFinal.pdf
Ringkasan Kebijakan	Ringkasan Kebijakan:Prototipe Penyusunan Indeks Kerawanan Asupan Gizi

2019	(IKAG) http://www.tnp2k.go.id/download/4590988740PB%20IKAG-final291019.pdf
Ringkasan Kebijakan 2019	Ringkasan Kebijakan:Improving the Rice Production Calculation Method http://tnp2k.go.id/downloads/improving-the-rice-production-calculation-method
Ringkasan Kebijakan 2019	Ringkasan Kebijakan Penyempurnaan Metode Perhitungan Produksi Beras Nasional http://tnp2k.go.id/downloads/improving-the-rice-production-calculation-method
Social Science & Medicine 213, 134-145, 2018	Inequality in access to health care, health insurance and the role of supply factor
Buletin of Indonesian economic Studies, 1-22, 2018	In Data We Trust? An Analysis of Indonesian Socio-Economic Survey Data
International Journal of Economics and Financial Issues 9 (1), 234-244, 2019	How Leading Economic Sectors Stimulate Economics Growth, Income and Labor Absorption? Input Output Approach
Economics and Finance in Indonesia 63 (1), 13-37, 2018	Indonesian Poverty Reduction Strategies: Shifting policies to promote employment in poorest four deciles
Buletin Ilmiah Litbang Perdagangan 6 (2), 253-266, 2012	Dampak Liberalisasi Perdagangan terhadap penyerapan tenaga kerja industry makanan minuman di Indonesia
Widyariset 14 (1), 51-62, 2011	Social Economic Integration in Aceh: Prior-Post Tsunami
2014	Poverty Reduction Strategies: Shifting Pro-Job and The 4th Lowest Deciles Approach, Indonesia http://www.tomorrowpeople.org/poverty-alleviation-and-social-protection-conference
2013	Dilema Pembangunan Ekonomi dan Isu Lingkungan: Transformasi Ekonomi Pasca Tambang di Bangka Belitung, UNDP Human Development Report Baground Paper Mei 2013
2013	Monitoring Anomali Data Kemiskinan Kabupaten Bengkulu Tengah (Benteng)
2012	Gender Patterns of urban commuting with better connectivity in Jakarta megapolitan Area, Bunga rampai Gender, Roads and Mobility in Asia, Editorial matter2Kyoko Kusakabe 2012, Asean Foundation ans Asian Institut of Technology. ISBN 978 1 85339 734 9