ISSN. 2548-6160

ICIGR 2017, 24-25 November 2017, Universitas Muhammadiyah Sidoarjo, Indonesia.

Available online: http://ojs.umsida.ac.id/index.php/icecrs
Article DOI: https://doi.org/10.21070/picecrs.v1i2.1444

Human Development Index (HDI) As A Planning Plan For Dealing Globalization Of Asean Economic Society (MEA) in Indonesia

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ABSTRACT: The purpose of this study is to map the human development index (HDI) of each region and regional planning efforts against the economic community of ASEAN (MEA). The research data used is secondary data sourced from the Central Bureau of Statistics (BPS) from 2010 until 2016. The research methodology used is comparative research using secondary data analysis method, depicting human development index as measured by society welfare, that is health, education, and life standard or often called economic. The research results show that there are 9 provinces that have different HDI with Jakarta Capital City as the capital of Indonesia, West Nusa Tenggara (NTB), East Nusa Tenggara (NTT), West Kalimantan (KALBAR), North Kalimantan, Gorontalo, West Sulawesi, North Maluku and West Papua and Papua. The impact of this study is that central government focuses more on areas with different Human Development Index (HDI) with DKI Jakarta and equitable development to improve infrastructure in the area.

Keywords: human development index, regional planning, globalization

INTRODUCTION

In general, globalization is known that no regional restrictions on social conditions and global networks simultaneously unite previously dispersed and isolated communities into a unity of interdependence (Malcon Waters and Emmanuel Richer), trade and technology growth between countries (Princeton N. Lyman and Thomas L. Friedman) .. The phenomenon of globalization that occurs affect the circumstances. First: ethnic flows are characterized by high human mobility in the form of immigrants, tourists, refugees, labor and migrants. Second, technological flows are characterized by technological mobility, the emergence of multinational corporations, and transnational corporations whose activities can penetrate the boundaries of the State. third, financial flows are characterized by high capital mobility, purchasing investment through internet, foreign money deposit. fourth, media flows are characterized by a stronger mobility of information, both through print media, and electronic. Fifth, streams of ideas are marked by the swiftness of new values coming into the State.

The positive impact of globalization is the advancement of information technology that facilitates human interaction, wider opportunities for various ethnic, national, cultural and religious people to interact. While the negative impact of the inclusion of cultural values beyond will eliminate the traditional values of a nation and identity of a people, the exploitation of natural and other resources would be heightened because of the needs of the larger, evolving values of consumerism and individual shifting social values of society, there dehumanization , as human degrees are no longer appreciated for more use of high-tech machines. ASEAN as a regional organization realized the importance of a regional integration and the importance of globalization, then in 2003 held the 9th ASEAN Summit, the establishment of ASEAN Community is aimed at strengthening the integration of ASEAN VISION 2020 based on the three pillars of political, economic and social-culture.

The issue of the human development index is known as long equality of health rights, decent education and decent standard of living be the main idea of the purpose of this discussion. It begins with the concept of Rawls (1972) and United Nations Development Program (UNDP 1990) that every individual is entitled to adequate food, income, health, and the right to liberty and business opportunity, become the standard for all States and criticism of the phenomenon. Human development index gaps in each region reflect seriousness or not, on goal and readiness to face globalization. The central government as an equalization agent as a benchmark and fairness is aimed at fair planning for all regions in Indonesia. The tendency for eligibility for quality of life and food (Camfield, 2005), also affects religious families. Where religion in Indonesia is quite diverse with tolerance of Bhineka Tunggal Ika as the life philosophy of Indonesia. Of course, this mapping will be an option that social welfare for the people of Indonesia can be realized and the preparation towards ASEAN VISION 2020 is characterized by the equality of human development indexes throughout the province.

Our first task was to identify the entire human development index of all provinces that became the indicator of this discussion, the effort made by seeking information through the national statistical center agency, measuring the difference phenomenon that became the focus of this study. In accordance with [1] Maziotta and Pareto (2015), measuring welfare with commonality, grouping and then analyzing differences in phenomena. Each category is grouped based on the national development index based on the province of Jakarta as the state capital as a standard of healthy living, feasible and revenues. This method makes it easy to map the potential of each province and can be used as a central government planning concept focusing on areas with different human development index (HDI) different from the province of Jakarta.

LITERATURE REVIEW

To review the literature, several articles discussed about index groups such as [2] analyzed the new development of human development index using the same method with UNDP resulting in the accuracy of the first model of 76, 60 % and 78.72% in the second model, reveals that the human development index is more realistic and more measurable in national development than gross domestic product (GDP), divided into three dimensions, long life, education and decent standard of living is the key to national development, in accordance with opinion (Hall (2013), Craveirinha and Clı'maco (2012) Maziotta and Pareto (2015) , states that many aspects of life can be a comparison between perception and objective evidence (Hall, 2013) quality of life is better than production activities or other standards, (Craveiri nha and Clı'maco (2012), distinguishing dimensions showing the size of multidimensional phenomena and monitoring changes over time (Maziotta and Pareto (2015). [3]found that the Human Development Index group of each Country is to prove the true value between low and high, even life expectancy and literacy are complementary (Hopkins, 1991). The importance of the human development index is based on Berenger and Chouchane's (2007) opinion,

...The crucial problem is to assign suitable weights to the indicators. Information can be aggregated into a single measure in two main ways. One is by bringing into play the arbitrariness and beliefs of the researcher and may involve public and expert judgments. The choice of aggregation function is also crucial as it affects the compensability of additive aggregations. The derived indices can be either additive or functional, depending on the context of analysis. (p. 1266–1267)

then, this aim is to provide information and may improve public and government decisions determining important aspects of improved health and long life, proper education and income such as research [4] that the comparison of human development index provides better human development performance from health and education aspect. [5]One of the most pertinent problems, after the relevant subindicators have been selected and normalized, which are supposed to reflect their relative importance.

DYNAMIC HUMAN DEVELOPMENT INDEX

The objective development of human development index in Indonesia is statistically, used to show the level of inter-regional progress, economic stability, and regional planning in the future. In accordance with UNDP on how to create the environment of each region to develop human potential, productivity and a decent standard of living towards human welfare. Even multidimensional, including the progress of all

aspects such as creating security, environment concern, cultural freedom and the ease of public services[5]. Thus, the efforts of the central and local governments to develop environmental potential in a sustainable aimed for human progress in aspects of health, education and decent living and reflects the performance of better regional progress and performance According to research[4], (Ross & Mirowsky, 2010), also a close relationship of income and education (Becker, 1993: Mincer, 1974: schulz, 1961)

THE CONTRIBUTIONS OF EXPERTS

Since, 1960 to 1990 like experts, Rawls 1972: Sen 1973; Mincer 1974; Schulz, 1961; Finnis, Boyle and Grized 1987), the experts argue that the basic human needs of human beings as social beings, interact with each other, are mutually sufficient to contribute to the basic nature of human beings, especially physical life, health, spirit, comfort, social respect, friendship and Equal rights of human principles get basic needs, free to try, freedom of life longer.

In 1990 - 1999 experts such as Kelly, 1991; Hopkins 1991; Barro (1997); Barro & Lee, 1993; Chen & Feng, 1996; Feng, 1997; Persson & Tabellini, 1992); Doyal and Gough (1991); Sen (1992); Foster and Sen 1997; Anand and Sen, 1997; Noorbakhsh, 1998, experts view human progress as inseparable from a more viable way of life such as education and health, the view of educational progress being the reason that every individual regardless of whether rich or poor, in poor or developed countries places great importance on education as a basis for human progress and knowledge advancement, the educational outlook will increase the life expectancy of the individual and the hope of finding a business for continuous effort. In poor and developed countries Education will reduce the poverty rate by 2 + 2.5%, the influence of education extends into trade growth, legal regulation, political stability, income distribution, inflation and into the index assessment among regions or the State. Individual health, related to the individual's understanding of the health of physical nutrients such as food and water, health care, birth control and maternity safety. Education and health equality is the responsibility of the government in improving the quality of life of individuals the 21st century such as Narayan-Parker (2000); Feng et al. (2000); Nussbaum (2000); (Ogwang, 2000); (Bostock, 2000); Zhao and Zhou (2001); Lai (2001); (Booysen, 2002); Knight and Song (2003); Camfield (2005) in addition, the views of experts on welfare. The dimension of welfare is defined in the welfare of the body, environment, security, old age, social welfare, freedom of expression, the role of the government can promote long-term development by applying a population policy that supports economic growth to be a determinant of the success of human development progress.

Diagram 1
Development Human Being

primary need (1960-1989)

healt and education 1990-1999
well human being 21th cencury

Based on the exposure , this hypothesis is the difference of Human Development Index in Province of Indonesia Country.

DATA AND METHODOLOGY

Data source from the national statistical agency in 2010 until 2016, all regional aspects 33 provinces. The methodology used is the analysis of varian (ANOVA), a statistical test tool used to test the comparative hypothesis of the sample when the data is on the interval or ratio scale. Anova is included in the parametric

statistics group. Testing using ANOVA is classified as comparative test that aims to compare (differentiate) whether the average of three or more groups tested differ significantly or not.

- 1. Descriptive analysis, by using 95% confidence level, it will be known areas that have human development index below or above average.
- 2. Test of homogeneity of variance is to test the assumption of ANOVA assumption is to test whether the whole group has the same variance (uniform) or not. For the purposes of this test, the proposed hypothesis is

H0= the entire population has the same variance (uniform)

H1= entire population has different variance

For the provision of testing the hypothesis is

- a. If p value (sig)> 0.05, then H0 is accepted
- b. If p value (sign) \leq 0.05, then H0 is rejected
- 3. ANOVA test, to test whether the mean (mean) of all different groups significantly or not, then the hypothesis proposed is

H0 = the whole population has the same average (identi)

H1 = the entire population has an unequal average

For the provision of testing the hypothesis are:

- a. If p value (sig) > 0.05, then H0 is accepted
- b. If p value (sign) \leq 0.05, then H0 is rejecte
- 4. Post Hoc Test, this section serves to determine the difference in the average index of human development between provinces. The hypothesis proposed is
- a. If p value (sig) > 0,05, then H0 is accepted (group does not differ significantly)
- b. If p value (sign) \leq 0.05, then H0 is rejected (group differ significantly)
- 5. Homogeneous Subset, this output provides the fourth output gain. The difference is the out put on this test indicates which provinces the Human Development Index is no different
- a. If p value (sig) > 0,05, then H0 is accepted (group does not differ significantly)
- b. If p value (sign) \leq 0.05, then H0 is rejected (group differ significantly.

RESULTS

Descriptive Analysis

In the descriptive analysis, the average of the provincial human development index is 65,454 to 67,675, which means that there are some provinces with below average human development index, ie, Nusa Tenggara Barat (NTB) of 62. 092 - 65.151, Nusa East Kalimantan with 62,637 - 65,474, North Kalimantan of 5,290 --73,165, Southeast Sulawesi with 64,210 - 66,936 Gorontalo, 63,420 - 65,811, West Sulawesi with 60,422 - 62,924, Maluku with 64,851 - 67,129, North Maluku with 63,327 - 65,933, West Papua 59,955 - 61,739, Papua 55,009 - 5757,365, South Sumatera 65,060 - 67,500, and lampung 64,298 - 66,996. see table 1

Table 1 Descriptives									
IPM (less than 65.454 until 67.675)									
	N	Mean	Std. Deviation	Std. Error	95% Interval fo	Confidence r Mean	Minimum	Maximum	
					Lower Bound	Upper Bound			
NTB	7	63,621	1,6537	,6250	62,092	65,151	61,2	65,8	
NTT	7	61,429	1,4088	,5325	60,126	62,731	59,2	63,1	
KALBAR	7	64,056	1,5338	,5797	62,637	65,474	62,0	65,9	
KALUTAR	7	39,227	36,6953	13,8695	5,290	73,165	,0	69,2	
SULTENG	7	65,573	1,4735	,5569	64,210	66,936	63,3	67,5	

GORONTALO	7	64,616	1,2928	,4886	63,420	65,811	62,7	66,3
SULBAR	7	61,673	1,3525	,5112	60,422	62,924	59,7	63,6
MALUKU	7	65,990	1,2314	,4654	64,851	67,129	64,3	67,6
MALUKU UTARA	7	64,630	1,4091	,5326	63,327	65,933	62,8	66,6
PAPUA BARAT	7	60,847	,9644	,3645	59,955	61,739	59,6	62,2
PAPUA	7	56,187	1,2734	,4813	55,009	57,365	54,5	58,1
SUMSEL	7	66,280	1,3191	,4986	65,060	67,500	64,4	68,2
LAMPUNG	7	65,647	1,4585	,5513	64,298	66,996	63,7	67,7
Total	238	66,565	8,6958	,5637	65,454	67,675	,0	79,6

Province with index of human development more than average that is DKI Jakarta equal to 76,927 - 79,038, West Java 66,759 - 69,453, Central Java 66,672 - 69,385, Yogyakarta equal to 75,716 - 77,619, East Java 66,063 - 68,957, Banten 68,225 - 70,424, Bali is 70,841 - 73,182, Central Kalimantan of 66,333 - 68,478, East Kalimantan of 72,005 - 74,206, North Sulawesi of 68,384 - 70,493, South Sulawesi 66,507 - 68,710, Aceh 67,431 - 69,401, North Sumatera amounting to 67,396 - 69,435, West Sumatra of 67,945 -70,169, Riau with 68,940 - 70,769, Jambi of 66,175 - 68,962, Bengkulu of 66,010 - 68,676, Kep. Bangka Belitung is 66,617 - 68,986, Kep.Riau is 71,745 - 73,758 South Kalimantan with 65,893 - 68,393. see table 2

				Table 2 escriptives				
IPM (average mo	ore than	65.454 until 67	7,675)					
	N	Mean	Std. Deviation	Std. Error	95% Interval for	Confidence Mean	Minimum	Maximum
					Lower Bound	Upper Bound		
DKI JAKARTA	7	77,983	1,1412	,4313	76,927	79,038	76,3	79,6
JAWA BARAT	7	68,106	1,4566	,5506	66,759	69,453	66,2	70,1
JAWA TENGAH	7	68,029	1,4665	,5543	66,672	69,385	66,1	70,0
YOGYAKARTA	7	76,667	1,0288	,3889	75,716	77,619	75,4	78,4
JAWA TIMUR	7	67,510	1,5647	,5914	66,063	68,957	65,4	69,7
BANTEN	7	69,324	1,1887	,4493	68,225	70,424	67,5	71,0
BALI	7	72,011	1,2652	,4782	70,841	73,182	70,1	73,7
KALTENG	7	67,406	1,1596	,4383	66,333	68,478	66,0	69,1
KALTIM	7	73,106	1,1900	,4498	72,005	74,206	71,3	74,6
SULUT	7	69,439	1,1399	,4308	68,384	70,493	67,8	71,1
SULSEL	7	67,890	1,3510	,5106	66,640	69,140	66,0	69,8
SULTENGGAR	7	67,609	1,1909	,4501	66,507	68,710	66,0	69,3
ACEH	7	68,416	1,0650	,4025	67,431	69,401	67,1	70,0
SUMUT	7	68,416	1,1021	,4166	67,396	69,435	67,1	70,0
SUMBAR	7	69,057	1,2025	,4545	67,945	70,169	67,3	70,7
RIAU	7	69,854	,9890	,3738	68,940	70,769	68,7	71,2
JAMBI	7	67,569	1,5069	,5695	66,175	68,962	65,4	69,6
BENGKULU	7	67,343	1,4413	,5448	66,010	68,676	65,4	69,3
KEP.BANGKA BELITUNG	7	67,801	1,2807	,4841	66,617	68,986	66,0	69,6
KEP.RIAU	7	72,751	1,0885	,4114	71,745	73,758	71,1	74,0
KALSEL	7	67,143	1,3518	,5109	65,893	68,393	65,2	69,1
Total	238	66,565	8,6958	,5637	65,454	67,675	,0	79,6

TEST OF HOMOGENEITY OF VARIANCE

The second output shows that the levene test is 178,604 with P value (sign) is 0.000. because p value <0.05, then H0 rejected, H1 accepted that the entire population has a different variance. Thus the assumption of ANOVA is fulfilled. See Table 3

Table 3
Test of Homogeneity of Variances

IPIVI						
Levene Statistic	df1	df2	Sig.			
178,604	33	204	,000			

POST HOC TESTS

This section serves to determine the difference in the mean of human development index among provinces. In this result, there are 9 provinces that have Human Development Index different from DKI Jakarta as Standard Human Development Index. Provinces with (sig) <0.05 such as West Nusa Tenggara 0.017, East Nusa Tenggara 0.001, West Kalimantan 0.026, North Kalimantan 0.000, Gorontalo 0.046, West Sulawesi 0.002, North Maluku 0.046, West Papua 0.001 and Papua 0.000.

	Table 5 Multiple Comparisons								
_	Dependent Variable: IPM								
No	Difference Lower Upper Bound								
1	Nusa Tenggara Barat	(I-J) 14,3614*	3,4329	,017	Bound 1,086	27,637			
2	Nusa Tenggara Timur	16,5543*	3,4329	,001	3,279	29,830			
3	Kalimantan Barat	13,9271*	3,4329	,026	,652	27,202			
4	Kalimantan Utara	38,7557*	3,4329	,000	25,480	52,031			
5	Gorontalo	13,3671*	3,4329	,046	,092	26,642			
6	Sulawesi Barat	16,3100 [*]	3,4329	,002	3,035	29,585			
7	Maluku Utara	13,3529*	3,4329	,046	,078	26,628			
8	Papua Barat	17,1357*	3,4329	,001	3,860	30,411			
9	Papua	21,7957*	3,4329	,000	8,520	35,071			

HOMOGENOUS SUB SET

This section serves to determine the difference in the mean of human development index among provinces. In this result, there are 23 provinces that have Human Development Index no different from DKI Jakarta as Standard Human Development Index. Provinces with (sig) ≥ 0.05 , Central Java of 0.528, Yogyakarta 1,000, East Java 0.410, Banten 0.812, Bali 0.999, Central Kalimantan 0.387, East Kalimantan 1,000, North Sulawesi 0.832, Central Sulawesi 0.108 South Sulawesi 0.432, Maluku 0.151, Aceh 0.620, North Sumatra 0.620, West Sumatera 0.761, Riau 0.895, Jambi 0.423, South Sumatra 0.187, Bengkulu 0.374. Lampung of 0.115, Kep. Bangka Belitung is 0.475, Riau Islands 1,000 and South Kalimantan 0.333. see table 6

	Table 6 Multiple Comparisons								
	ndent Variable: IPM								
Tukey HSD									
No	(J) PROVINSI	Mean	Std. Error	Sig.		nfidence Interval			
		Difference			Lower	Upper Bound			
		(I-J)			Bound				
1	Jawa Tengah	9,9543	3,4329	,528	-3,321	23,230			
2	Yogyakarta	1,3157	3,4329	1,000	-11,960	14,591			
3	Jawa Timur	10,4729	3,4329	,410	-2,802	23,748			
4	Banten	8,6586	3,4329	,812	-4,617	21,934			
5	Bali	5,9714	3,4329	,999	-7,304	19,247			
6	Kalimantan Tengah	10,5771	3,4329	,387	-2,698	23,852			
7	Kalimantan Timur	4,8771	3,4329	1,000	-8,398	18,152			
8	Sulawesi Utara	8,5443	3,4329	,832	-4,731	21,820			
9	Sulawesi Tengah	12,4100	3,4329	,108	-,865	25,685			
10	Sulawesi Selatan	10,0929	3,4329	,496	-3,182	23,368			
11	Sulawesi Tenggara	10,3743	3,4329	,432	-2,901	23,650			
12	Maluku	11,9929	3,4329	,151	-1,282	25,268			
13	Aceh	9,5671	3,4329	,620	-3,708	22,842			
14	Sumatera Utara	9,5671	3,4329	,620	-3,708	22,842			
15	Sumatera Barat	8,9257	3,4329	,761	-4,350	22,201			
16	Riau	8,1286	3,4329	,895	-5,147	21,404			
17	Jambi	10,4143	3,4329	,423	-2,861	23,690			
18	Sumatera selatan	11,7029	3,4329	,187	-1,572	24,978			
19	Bengkulu	10,6400	3,4329	,374	-2,635	23,915			
20	Lampung	12,3357	3,4329	,115	-,940	25,611			
21	KEP. Bangka Belitung	10,1814	3,4329	,475	-3,094	23,457			
22	KEP.Riau	5,2314	3,4329	1,000	-8,044	18,507			
23	Kalimantan Selatan	10,8400	3,4329	,333	-2,435	24,115			

CONCLUSION

The difference of human development index all provinces in Indonesia, positive signification identified in ANOVA test and Post Hoc Tests covering 9 provinces that have different human development index with Jakarta human development index as national standard, This study is very important for central government more focusing on areas that have different Human Development Index (HDI) with DKI Jakarta as well as equitable development to improve infrastructure in the area.

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