Comparative Study of *Millennium Development Goals* (*MDGs*) Achievement in Various Regional Economic Typologies in Indonesia

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Conomic development in Indonesia has created much kind of regional typologies. Klassen has divided this typology into four namely advanced and rapidly growing region, fast growing region, developed but depressed region and relatively backward region. There are some regional characteristic differences among those typologies. These differences have occurred in many sectors including human resources development sector which can be reflected by differences in the achievement of Millennium Development Goals (MDGs). This research is aimed to determine the achievement of Millennium Development Goals (MDGs) in those regional typologies.

In this research, analysis of secondary data uses quantitative methods. Level of MDGs achievement is calculated by the analysis of percentage. Level of MDGs achievement in regional typologies which are used in this research is assessed by doing cross-tabulation between result of regional typology analysis and classification of MDGs achievement. The comparison of MDGs achievement among typologies was analyzed using One Way ANOVA.

The results show that most of the provinces in Indonesia have an average percentage achievement of the MDGs under 100%. There are six provinces categorized as region which have a high level of MDGs achievement, 18 provinces have moderate levels of achievement and nine provinces with low levels of MDGs achievement. In the Klassen typology of Indonesia, level of achievement of the MDGs pattern sequence is not corresponding to the sequence pattern of regional economic development level. The order typology with the MDGs levels ranging from the highest to the lowest is developed but depressed region, relatively backward region, advanced and rapidly growing region, and fast growing region. Based on One Way ANOVA test result, there is no significant difference between MDGs achievement in the various typologies.

Therefore the difference of regional economic development level in Indonesia did not create a significant difference in the achievement of the MDGs.

Keywords: comparison, achievement, MDGs, typology, regions

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Introduction

In the third world countries such as Indonesia, the development paradigm which implemented in the past is past too laud high economic growth as the primary goal so that less attention to equity aspects of development outcomes between regions. This can lead to the emergence of socioeconomic disparities between regions that will ultimately lead to the failure of efforts to eradicate poverty in the country. Socio-economic disparities between regions that is the most important development problems faced by Indonesia.

Development effortsthathave been enacted by the Indonesian government in the past, on the one handhas resulted insignificantprogress, butonthe other handhas also producedmanyurgentproblemstobe solved. It is inevitablethat thedevelopment of the pastare moreemphasison achievinghigh economicgrowth rates. has createdan increase inincomepercapita. Nevertheless, thedevelopmentfocused on the improvementof national production, is not accompanied by the development and strengthening of institutions, both public and finance, which should serveallocateresources efficiently and effectively. In fact, Todaro(1983) revealed that the factors or components of economic growth which are essential in any societythere arecapitalaccumulation, populationgrowth, andtechnologicaladvancement. Component of capital accumulation and population growth is part of the human resource sectors othatit can be saidthathumancapitalis closely related to the process of economic growth. With these considerations, the results of economic development, especially in the context ofthe regionaleconomyshould be aimedto improve the quality ofhuman capitalso hopefullythere will bepositive feedbacktoimprovement ofeconomicgrowth.

One of the effortsthathave been madebythe countriesinthe worldtoacceleratethe development ofhuman resourcesisjointlydeclared the Millennium Development Goals (MDGs). The MDGsareaglobaldevelopment paradigmwhich signed by 189member statesof the United Nations(UN), including Indonesia in the UN Millennium Summitin September 2000. UN General Assembly Resolution then legalize it to the UNGeneral Assembly Resolution No.55/2 dated September 18, 2000 About the Millennium Declaration of the United Nations (A/RES/55/2. United Nations Millennium Declaration). The MDGs basically amutual commitment of the international community to accelerate human development. One of the main objectives of the declaration of the Millennium Development Goals to required on or countries such as

the United States and other developed countries to increase of ficial developmentaid (official development assistance) amounted to 0.7 percent of their gross domestic product (GDP).

there is interrelationship betweenhumancapitalandeconomicgrowth. Actually, generallyobservedthe effectof humancapitalon However, existing studies are economic growthandlessconcerned with theimpactofeconomic growth onhumancapital(Ramirez, 1998). A number of studies on human resources disclosed in Meierand Rauch (2000), for example, are alsomore focusedaspectof theimpactof humancapitalon economic growth. Thoughthe influence qualityof humanresourceisobvious, ofeconomic developmenton the for examplethe economiccrisisinIndonesiahad reversedregionallevelsof human developmentthat has beenachievedduringthe period ofgrowth(Saadah, 2001)and the bringfinally bring negative impacton regionaleconomic(Akita and Alisjahbana, 2002). Therefore, this studytried toraise the influence ofeconomic growth onhuman development, especially the various typologies of regions generated by economic development in Indonesia.

Problems

Differences in the level of human resources quality between regions will create agapt hat leads to adisparities between the region that have a low quality of human resources with a region with highquality of human resources. Because ofthequality of human resourceshas a close connectionwiththe performance of the economy, the disparities also occurs in terms of economic performancebetweenthe tworegions. Such cases are very common in the development of Indonesia. Indonesiaasanarchipelagic stateis aterritorial unitconsisting of 33provincesarevery diverse. Thisdiversity can be found in a various development sectors economic development which can be seen from difference in level of regionaleconomic developmentbetween regions. This willlead to a differencein termsof humanresourcedevelopment. Theinfluencecan throughtwomechanisms:throughthe role ofcivil such asthrough society community organizationsandnon-governmental organizationsandthroughhousehold governmentactivities. Allocationbetweenandwithinthese institutions, and the differencesmaybe thecause of differences in behavior of human development performance in spite of similar levels ofeconomic performance. Therefore, this studyaimed to assess comparison of MDGs achievement as indicator of human resources quality in the various regional economic typologies sin Indonesia

Methodology

In this research, analysis of secondary data uses quantitative methods. Level of MDGs achievement is calculated by the analysis of percentage. This analysis required quantitative data, so data selection was done to select indicator MDGs that have quantitative data and goals. So from 67 indicators selected 17 indicators that represent the eight MDGs. Those indicators can be seen from table 1.

Table 1. Indicators of MDGs uses in the research

No.	Goals	Indicators
1.	Eradicating extreme poverty and hunger,	 Percentage of opulationbelow thenational poverty line(%) The percentage ofmalnourishedchildren under five Adequacy ofcaloricintake(kcal) <1400 Adequacy of caloricintake(kcal) <2000
2.	Achieving universal primary education,	The literacy rate of age 15-24
3.	Promoting gender equality and empowering women,	 Net enrollmentratio ofgirls/boys inprimary school Net enrollmentratio ofgirls/boys injunior high school Net enrollmentratio ofgirls/boys inhigh schools Net enrollmentratio ofgirls/boys incolleges or universities Literacy ratio of women/ menaged 15-24
4.	Reducing child mortality rates	Child mortality/CMRThe infant mortality rate/IMR
5.	Improving maternal health	Maternal Mortality
6.	Combating HIV/AIDS, malaria, TB and other diseases,	Case detection rate of TB
7.	Ensuring environmental sustainability	Access toimproved drinkingwatersourcesAccess to adequate sanitation
8.	Developing a global partnership for development.	Percentageof households withinternetaccess

Level of MDGs achievement in Klassen regional economictypologieswhich are used in this research can be assessed by doing cross-tabulation between result of regional typology analysis

and classification of MDGs achievement. The comparison of MDGs achievement among typologies was analyzed using One Way ANOVA.

Discussion

Economic growthis anincrease in the levelofnational income (Boediono, 1999). Thus, economicgrowthistheincrease inoutputpercapitain the long term. Economic developmentinIndonesiahas createdvarioustypologies ofregions. Inthis research, Klassentypologyis usedas a regional economic analytical toolto determine thestructure and patternof economic growth ina region. The approach usedis theregionalapproachas expressedbySjafrizal(1997). This approachproducesfourtypes of regions, namely advanced and rapidly growing region, fast growing region, developed but depressed region and relatively backward region.

Inthis research, the scale to measure quality of human resources the level of achievement of the Millennium Development Goals (MDGs). The level of achievement of the MDGs consist of eight goals as measured by 67 indicators, but the indicators used in the analysis are indicators which have quantitave. So from 67 indicators selected 17 indicators that represent the eight MDGs.

ofachievement Based onthe calculation ofthe level the **MDGs** foreach of provinceinIndonesiawhich shown inTable1, can be seenthatmost of theprovincesinIndonesiahavean averagepercentageachievement of the MDGsunder100 %. Notedthere are 32provincesout of the total 33provinces with the level of achievement of the MDGs lessthan100%. Based onthesetablesalsocan be seen that there is only one province that has achievement level morethan 100%. which DKI Province withan Jakarta averagepercentagerateof125.89 %.

Based on the classification which is doneusing standard deviation method, there are six provinces categorized as region which have a highlevel of MDGs achievement, 18 provinces have moderate levels of achievement and nine provinces with low levels of MDGs achievement. Therefore, it can be said that most of the provinces in Indonesia have moderate level of MDGs achievement.

Provinces withthe highestlevel of MDGs achievement is DKI Jakarta. Percentagerate of MDGs achievement in the province is 125.89%. Based on the calculation of the achievement

percentageofeachMDG indicator, can be seen that high percentage of MDGs achievement in the DKI Jakarta province is influenced by the achievement percentage of the first MDG goal (poverty reduction) which reached 192.67%. Meanwhile, province with the lowest level of achievement of the MDGs is Nusa Tenggara Barat with achievement percentage of 61.82%.

Nationally, the Millennium Development Goalswhich already achieved the first goal (poverty reduction) withan average percentage of 135.3%. While other goals have not been achieved. Goal with the lowest achievement levels is the eighthgoal (develop a global partner ship for the Development) with a percentage of 21.05%.

Province	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5	Goal 6	Goal 7	Goal 8	Average	Class
Aceh	100.60	99.90	108.36	81.56	34.29	73.86	52.73	15.36	70.83	Moderate
Sumatera Utara	127.04	99.86	101.92	48.88	73.78	106.71	74.75	16.56	81.19	Moderate
Sumatera Barat	110.37	99.81	111.80	50.27	54.61	75.86	62.31	27.74	74.10	Moderate
Riau	134.18	99.95	105.12	65.12	52.35	49.29	68.03	24.62	74.83	Moderate
Jambi	140.94	99.98	102.69	63.53	30.32	97.57	66.88	14.16	77.01	Moderate
Sumatera Selatan	121.50	99.92	107.83	58.15	58.39	69.57	65.35	18.36	74.88	Moderate
Bengkulu	107.00	99.87	107.37	49.62	35.83	94.14	49.14	20.90	70.48	Low
Lampung	121.60	99.93	110.51	55.84	48.28	60.43	57.15	10.94	70.58	Low
Bangka Belitung	159.86	99.68	105.50	64.27	23.78	87.43	70.79	20.34	78.96	Moderate
Kepulauan Riau	127.84	99.91	106.68	54.33	39.87	51.86	60.64	25.12	70.78	Moderate
DKI Jakarta	192.67	99.99	91.02	85.52	271.54	114.14	83.62	68.64	125.89	High
Jawa Barat	128.12	99.90	94.53	62.14	37.32	103.57	67.29	24.58	77.18	Moderate
Jawa Tengah	131.88	99.82	105.55	94.23	32.40	77.43	81.57	19.28	80.27	Moderate
DI Yogyakarta	162.45	100.00	97.51	133.25	44.94	75.29	98.54	55.84	95.98	High
Jawa Timur	132.26	99.44	96.11	68.41	117.29	83.14	77.52	22.70	87.11	High
Banten	128.43	99.94	97.17	52.59	40.13	107.43	62.65	25.06	76.67	Moderate
Bali	126.81	99.14	94.65	75.93	63.20	90.29	98.69	24.76	84.18	High
Nusa Tenggara Barat	108.39	99.01	99.73	33.36	31.32	47.57	61.56	13.64	61.82	Low
Nusa Tenggara Timur	126.99	97.79	106.33	40.18	18.86	54.29	43.87	9.28	62.20	Low
Kalimantan Barat	138.10	99.15	98.55	52.12	25.98	71.86	68.35	13.86	70.99	Moderate
Kalimantan Tengah	122.62	99.86	101.62	85.39	35.36	42.57	47.68	12.10	68.40	Low
Kalimantan Selatan	135.15	99.85	112.41	41.16	24.29	62.43	67.61	20.52	70.43	Low
Kalimantan Timur	195.01	99.86	106.34	86.34	32.58	46.43	82.90	37.14	85.82	High
Sulawesi Utara	140.70	99.86	108.19	70.07	21.22	137.43	78.47	23.24	84.90	High
Sulawesi Tengah	124.06	99.90	104.40	42.36	16.81	62.29	62.71	11.64	65.52	Low
Sulawesi Selatan	120.73	98.31	107.83	58.24	47.71	66.43	78.20	19.60	74.63	Moderate
Sulawesi Tenggara	123.56	99.39	105.99	53.86	28.79	100.29	76.25	13.10	75.15	Moderate

Gorontalo	131.78	99.03	106.66	45.30	19.16	110.43	64.39	19.82	74.57	Moderate
Sulawesi Barat	118.21	97.65	113.37	32.21	21.97	73.57	64.08	8.26	66.16	Low
Maluku	119.31	99.85	104.54	36.70	17.33	109.00	68.38	15.64	71.34	Moderate
Maluku Utara	189.47	99.78	100.97	44.17	20.67	54.43	63.11	12.58	73.15	Moderate
Papua Barat	182.21	97.01	92.82	57.75	13.83	57.00	58.60	16.48	71.96	Moderate
Papua	134.95	79.69	90.66	53.05	28.18	73.00	41.45	12.80	64.22	Low
National average	135.30	98.88	103.17	60.48	44.31	78.39	67.43	21.05	76.13	

Economic developmentinIndonesiahas given birth tovarioustypologies ofregions. Klassen has divided this typology into four namely advanced and rapidly growing region, fast growing region, developed but depressed region and relatively backward region.

Table 2. Klassen typology of Indonesia

1. Aceh Relatively backward region 2. Sumatera Utara Developed but depressed region 3. Sumatera Barat Relatively backward region 4. Riau Advanced and rapidly growing region 5. Jambi Fast growing region, 6. Sumatera Selatan Relatively backward region 7. Bengkulu Relatively backward region 8. Lampung Fast growing region, 9. Bangka Belitung Developed but depressed region 10. Kepulauan Riau Developed but depressed region 11. DKI Jakarta Developed but depressed region 12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region	No.	Province	Typology		
Sumatera Barat Relatively backward region Advanced and rapidly growing region Sumatera Selatan Relatively backward region Developed but depressed region Developed but depressed region DKI Jakarta Developed but depressed region Lampung Relatively backward region Relatively backward region Relatively backward region DI Yogyakarta Relatively backward region Relatively backward region	1.	Aceh	Relatively backward region		
4. Riau Advanced and rapidly growing region 5. Jambi Fast growing region, 6. Sumatera Selatan Relatively backward region 7. Bengkulu Relatively backward region 8. Lampung Fast growing region, 9. Bangka Belitung Developed but depressed region 10. Kepulauan Riau Developed but depressed region 11. DKI Jakarta Developed but depressed region 12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	2.	Sumatera Utara	Developed but depressed region		
5. Jambi Fast growing region, 6. Sumatera Selatan Relatively backward region 7. Bengkulu Relatively backward region 8. Lampung Fast growing region, 9. Bangka Belitung Developed but depressed region 10. Kepulauan Riau Developed but depressed region 11. DKI Jakarta Developed but depressed region 12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	3.	Sumatera Barat	Relatively backward region		
6. Sumatera Selatan Relatively backward region 7. Bengkulu Relatively backward region 8. Lampung Fast growing region, 9. Bangka Belitung Developed but depressed region 10. Kepulauan Riau Developed but depressed region 11. DKI Jakarta Developed but depressed region 12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Selatan Past growing region, 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	4.	Riau	Advanced and rapidly growing region		
7. Bengkulu Relatively backward region 8. Lampung Fast growing region, 9. Bangka Belitung Developed but depressed region 10. Kepulauan Riau Developed but depressed region 11. DKI Jakarta Developed but depressed region 12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	5.	Jambi	Fast growing region,		
8. Lampung Fast growing region, 9. Bangka Belitung Developed but depressed region 10. Kepulauan Riau Developed but depressed region 11. DKI Jakarta Developed but depressed region 12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Tengah Developed but depressed region 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Tengah Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	6.	Sumatera Selatan	Relatively backward region		
9. Bangka Belitung Developed but depressed region 10. Kepulauan Riau Developed but depressed region 11. DKI Jakarta Developed but depressed region 12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Timur Advanced and rapidly growing region 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	7.	Bengkulu	Relatively backward region		
10. Kepulauan Riau Developed but depressed region 11. DKI Jakarta Developed but depressed region 12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Tengah Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	8.	Lampung	Fast growing region,		
11. DKI Jakarta Developed but depressed region 12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	9.	Bangka Belitung	Developed but depressed region		
12. Jawa Barat Relatively backward region 13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	10.	Kepulauan Riau	Developed but depressed region		
13. Jawa Tengah Relatively backward region 14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Tengah Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	11.	DKI Jakarta	Developed but depressed region		
14. DI Yogyakarta Relatively backward region 15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	12.	Jawa Barat	Relatively backward region		
15. Jawa Timur Developed but depressed region 16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	13.	Jawa Tengah	Relatively backward region		
16. Banten Relatively backward region 17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	14.	DI Yogyakarta	Relatively backward region		
17. Bali Relatively backward region 18. Nusa Tenggara Barat Fast growing region, 19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	15.	Jawa Timur	Developed but depressed region		
18. Nusa Tenggara Barat 19. Nusa Tenggara Timur 20. Kalimantan Barat 21. Kalimantan Tengah 22. Kalimantan Selatan 23. Kalimantan Timur 24. Sulawesi Utara 25. Sulawesi Tengah 26. Sulawesi Tenggara 27. Sulawesi Tenggara 28. Gorontalo 29. Sulawesi Barat 29. Sulawesi Barat 30. Maluku 40. Fast growing region, 41. Fast growing region, 42. Fast growing region, 43. Fast growing region, 44. Fast growing region, 45. Sulawesi Tengah 46. Fast growing region, 47. Sulawesi Tenggara 48. Fast growing region, 49. Sulawesi Barat 40. Fast growing region, 40. Fast growing region, 41. Maluku Utara 42. Fast growing region, 43. Fast growing region, 44. Fast growing region, 45. Fast growing region, 46. Fast growing region, 47. Fast growing region, 48. Fast growing region, 49. Sulawesi Barat 40. Fast growing region, 40. Fast growing region, 41. Maluku Utara 42. Fast growing region, 43. Fast growing region, 43. Fast growing region, 44. Fast growing region, 45. Fast growing region, 46. Fast growing region, 47. Fast growing region, 48. Fast growing region, 49. Fast growing region, 40. Fast growing region,	16.	Banten	Relatively backward region		
19. Nusa Tenggara Timur Relatively backward region 20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	17.	Bali	Relatively backward region		
20. Kalimantan Barat Relatively backward region 21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	18.	Nusa Tenggara Barat	Fast growing region,		
21. Kalimantan Tengah Developed but depressed region 22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	19.	Nusa Tenggara Timur	Relatively backward region		
22. Kalimantan Selatan Fast growing region, 23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	20.	Kalimantan Barat	Relatively backward region		
23. Kalimantan Timur Advanced and rapidly growing region 24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	21.	Kalimantan Tengah	Developed but depressed region		
24. Sulawesi Utara Fast growing region, 25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	22.	Kalimantan Selatan	Fast growing region,		
25. Sulawesi Tengah Fast growing region, 26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	23.	Kalimantan Timur	Advanced and rapidly growing region		
26. Sulawesi Selatan Fast growing region, 27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	24.	Sulawesi Utara	Fast growing region,		
27. Sulawesi Tenggara Fast growing region, 28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	25.	Sulawesi Tengah	Fast growing region,		
28. Gorontalo Fast growing region, 29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	26.	Sulawesi Selatan	Fast growing region,		
29. Sulawesi Barat Fast growing region, 30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	27.	Sulawesi Tenggara	Fast growing region,		
30. Maluku Fast growing region, 31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	28.	Gorontalo	Fast growing region,		
31. Maluku Utara Fast growing region, 32. Papua Barat Fast growing region,	29.	Sulawesi Barat	Fast growing region,		
32. Papua Barat Fast growing region,	30.	Maluku	Fast growing region,		
	31.	Maluku Utara	Fast growing region,		
33. Papua Advanced and rapidly growing region	32.	Papua Barat	Fast growing region,		
	33.	Papua	Advanced and rapidly growing region		

Todetermine the level ofachievement of the MDGsinvarioustypes ofKlassen typology,cross tabulationanalysisbetweenthe classification of MDGsachievement andtypology was done. This analysisproducedthe following table.

Table 3. Matrix of cross tabulationanalysisbetweenthe classification of MDGsachievement andtypology

Typology Class	Advanced and rapidly growing region	Fast growing region,	Daerah maju tapi tertekan	Relatively backward region
High	Kalimantan Timur	Sulawesi Utara	DKI Jakarta, Jawa Timur	DI Yogyakarta, Bali
Moderate	Riau	Jambi, Sulawesi Selatan, Sulawesi Tenggara, Gorontalo, Maluku, Maluku Utara, Papua Barat	Bangka Belitung, Kepulauan Riau,Sumatera Utara	Jawa Tengah, Aceh, Sumatera Barat, Sumatera Selatan, Jawa Barat, Banten, Kalimantan Barat
Low	Papua	Kalimantan Selatan, Lampung, Sulawesi Barat, Nusa Tenggara Barat, Sulawesi Tengah, Gorontalo	Kalimantan Tengah	Bengkulu, Nusa Tenggara Timur

Fromthematrix, it can be seenthat theachievement level of MDGsinvarioustypes oftypologies is vary widely. Provinces withhigheconomicgrowthratehas not beendefinitelyhavea highMDGsas welland vice versa. This showsthat the level ofachievement of the MDGsineach provincedo not always relyon the kind oftypology ofregional economicdevelopmentofthe province concerned. The results showedthat level ofachievement of theMDGspatternsequence is notcorresponding to thesequencepattern of regionaleconomic developmentlevel. The ordertypologywiththe

MDGslevelsrangingfrom the highest to the lowestis developed but depressed region, relatively backward region, advanced and rapidly growing region, and fast growing region. The percentage of MDGs achievement in each typology can be seen in table 4.

Table 4. Percentage of MDGs achievement in each typology

	Tipologi	Persentase pencapaian MDGs
1	Advanced and rapidly growing region	74,96
2.	Fast growing region,	72,09
3.	Developed but depressed region	85,39
4.	Relatively backward region	79,42

The level of MDGs achievementforeach goalateach typetypologyis alsovary widely. This canbe seen infigure 1.

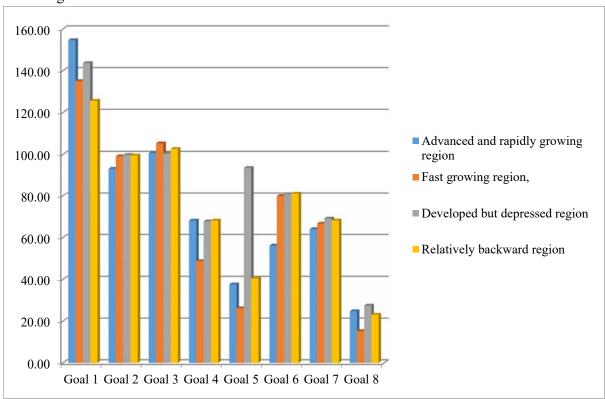


Figure 1. MDGs achievementforeach goalateach typetypology

To examinewhether there issignificant difference in the MDGsachievement between each typology then One WayANOVA test was done. This test resulted significant value of 0,162. This means that there is no significant difference between MDGsachievement in the various typologies. In other words, it means that the difference of regional economic development level in Indonesia did not create a significant difference in the achievement of the MDGs.

Conclussion

the province sin Indonesia have an average percentage achievement Most MDGsunder100 %. There is only one province with achivement more than 100 %, that is DKI Jakarta. Most of province in Indonesia have moderate level of MDGs achievement. There are six provincescategorized as region which have a highlevel ofMDGs 18provinceshavemoderatelevels ofachievement andnineprovinceswithlowlevels ofMDGs achievement. In the Klassen typology of Indonesia, provinces withhigheconomicgrowthratehas not beendefinitelyhavea highMDGsas welland vice versa. Level ofachievement of the MDG spattern sequence is not corresponding to the sequence pattern of regional economic developmentlevel. The ordertypologywiththe MDGslevelsrangingfrom the highest to the lowestis developed but depressed region, relatively backward region, advanced and rapidly growing region, and fast growing region. Based on One WayANOVAtest result, there is no significant differencebetween MDGsachievement in thevarioustypologies. It means that the difference ofregionaleconomic developmentlevelinIndonesiadid notcreateasignificantdifference achievement of the MDGs.

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