TRIAL DECENTRALIZATION IN PENINSULAR MALAYSIA

By

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Muduction

problems of subnational areas. This is due mainly to the fact model (subnational) planning is a national accompaniment to mal development. Some of the most prominent regional development programmes include the Tennessee Valley Authority promine in the United States, the regional development programme to expedite the development of Southern Italy, the regional model planning of Guayana in Venezuela, and Brazil's Northmolonal plan. Regional development is now considered as an instrument in guiding societal change.

the regional level, Peninsular Malaysia's development planning the creation of a more equal growth rate among the states,

Manufacturer, Faculty of Economics and Administration, University of Malaysia.

McCrone, Regional Policy in Britain, (London: George Allen & 1969), p. 13.

Manuarite Owen, The Tennessee Valley Authority, (New York: Praeger,

B. Chenery, "Development Policies for Southern Italy," in J. and W. Alanso (eds.), Regional Development and Planning: A (Cambridge, Mass.: MIT Press, 1964).

Wiedmann, Regional Development Policy: A Case Study of Venezuela, Mass.: MIT Press, 1966).

Hobock, Brazil's Developing Northeast: A Study of Regional Plan-Foreign Aid, (Brookings Institution, Washington, D.C., 1961).

section" is defined in this paper as coinciding with a state boundary, that section" is synonymous to a state in Malaysia. Both terms will be used the section of the secti

using various measures: the development of physical infrastructu agricultural land development, decentralization of industries, della ate urbanization and creation of new growth centers. During period of the first three national plans agricultural development accorded top priority in regional development for two main reason First, agriculture represented the main economic activity of depressed regions, and there is always the tendency to concentre attention on developing the major economic sectors. Moreover, was felt that the poverty of the depressed regions resulted from le agricultural productivity. Second, it was believed that industry wo locate in the depressed regions once the right environment created. Infrastructure was considered to be the major element such an environment, but it was also believed that the development of agriculture as well as the expected increase in income as a result the regional multiplier of infrastructure works would attract indus to move to these regions.

Today, industrial decentralization⁸ is a vital strategy in region development. Emphasis has increasingly been placed on the plant of industrial location because of three main reasons: (1) the impeance of industry in influencing regional development (2) the graph possibilities of influencing industrial location than of influencing agriculture and services; and (3) the government's objective, unthe "New Economic Policy," of encouraging the Malays, a dominant proportion of whom reside in five of the six poorest at in the country, to play a more active part in modern economic activities, especially in manufacturing.

Regional Distribution of Industry

Economic development has long been confined to the west of states of Peninsular Malaysia, that is, in the tin and rubber areas example, the less developed east coast states (Kelantan and Toganu) and the rice growing states of the northwest (Kedah and Peninsular Malaysia).

⁷The First Five-Year Plan of the Federation of Malaya 1956-1960, (Lumpur: Government Printer, 1956); The Second Five-Year Plan of the Federation of Malaya 1961-1965, (Kuala Lumpur: Government Printer, 1961), and First Malaysia Plan 1966-1970, (Kuala Lumpur: Government Printer, 1966)

⁸ "Industrial decentralization" is defined here as the directing of new facturing industries to selected areas in the less developed states. This is nymous to the "dispersal of industries" policy under the Second Malaysia 1971-1975 and the Third Malaysia Plan 1976-1980.

⁹See Appendix I.

relatively smaller share of the Gross Domestic Product. As in Table 1, the GDP per capita income of the richest state, was in absolute terms over three times that of the poorest, in 1970. Table 2 indicates that Selangor's per capita GDP was more than one and one-half times that of the national while Kelantan's was about one-half. Between 1963 and only five of the eleven states had a per capita GDP that was the national average, namely, Johore, Negri Sembilan, Pahang, and Selangor. These five states accounted for 62 per cent of Malaysia's population in 1970. In general, there has been movement in the relative disparity in the country. Some of the states have, in fact, become relatively poorer. For example, a's per capita GDP fell from 0.87 in 1963 to 0.76 in 1970, Trengganu's share declined from 0.83 to 0.71 over the same

in the concentration of industrial activities in the relatively the total number of manufacturing establishments in Penindustrial, but 43.5 per cent of the value of gross sales, and 51.1 were earned in Selangor, although it had only 38.76 per the full-time industrial labour force. In 1970, Selangor was populous state in Malaysia with 18.62 per cent of the washington, however, than the percentage of its share of the population.

the next most important state in value added from turing. It is especially important for rubber and timber industries, textiles, glass products, dry cells and batteries. The ment of manufacturing in this state has been due mainly to singapore.

which has long benefited from the presence of rubber and third most important state in manufacturing value added.

The 1968 Census on Manufacturing Industries, West Malaysia (published in latest census of manufacturing industry in Malaysia at the time of

TABLE 1

West Malaysia: Per Capita Gross Domestic Product, By State, 1963-1970 (Malaysian \$)

	1963	1964	1965	1966	1961	1300	1909	1970
Johore	740.2	760.8	839.0	851.6	789.3	786.5	912.5	962.6
Kedah	619.3	690.1	707.3	730.5	755.3	727.3	765.4	789.
Kelantan	416.4	431.5	413.7	371.8	380.3	407.8	491.4	491.8
Malacca	625.0	605.1	622.9	684.7	606.2	8.609	745.2	677.5
Negri Sembilan	994.5	805.4	937.4	1022.1	985.6	1002.8	1101.2	1133.1
Pahang	839.7	933.6	940.4	973.9	918.5	923.6	1000.6	1004.6
Penang	519.3	570.3	619.8	635.8	651.4	675.4	719.5	7.197
Perak	788.2	877.2	953.9	942.3	948.2	937.8	1025.2	1044.7
Perlis	532.1	619.8	649.9	705.6	753.2	794.2	809.3	753.8
Selangor	1174.7	1250.1	1241.6	1274.3	1351.4	1331.3	1407.6	1502.8
Trengganu	598.9	594.3	549.8	547.1	572.2	556.6	590.3	628.
Average	713.0	743.9	770.8	794.5	795.2	7.967	6.898	886.9

Per Capita GDP of States as Proportion of West Malaysia Mean GDP, 1963-1970

State	1963	1964	1965	1966	1961	1968	1969	1970
Johore.	1.04	1.02	1.09	1.07	0.99	0.99	1.05	1.09
Kedah	0.87	0.93	0.92	0.92	0.95	0.91	0.88	0.8
Kelantan	0.58	0.58	0.53	0.47	0.48	0.51	0.57	0.56
Malacca	0.87	0.81	0.81	98.0	0.76	0.77	0.86	0.76
Neori Sembilan	1.39	1.14	1.22	1.29	1.24	1.26	1.27	1.28
Pahang	1.18	1.25	1.22	1.23	1.16	1.16	1.15	1.18
Penang	0.73	0.77	0.80	0.80	0.82	0.85	0.83	0.8
Persk	111	1.18	1.24	1.19	1.19	1.18	1.18	1.18
Parlis	0.75	0.83	0.84	0.89	0.95	0.99	0.93	0.8
Selangor	1.65	1.68	1.61	1.60	1.70	1.67	1.62	1.69
Trengganu	0.83	0.80	0.71	69.0	0.72	0.70	0.68	0.7

Source: Computed from Table 1.

TABLE 3

West Malaysia: State Distribution of Industry, 1968 (Percentages)

State	No. of establishments	Value of sales	Value	Emple Full-time	oyment Part-time	Salaries	1970 Population
0,0	12.48	14.09	12.43	17.69	11.10	14.83	14.51
ah	8.59	4.29	2.21	3.94	6.46	3.12	10.82
antan	3.96	1.65	1.46	2.58	6.49	1.53	7.75
8008	4.57	2.68	2.03	2.47	4.47	2.06	4.58
ri Sembilar	4.54	8.77	7.68	3.89	3.13	4.89	5.42
and	4.47	1.84	2.38	2.95	1.92	3.61	5.65
and and	14.99	10.01	9.21	11.92	15.13	10.24	8.73
91.	18.78	11.64	10.91	14.42	18.12	11.63	17.86
4 .5	0.92	0.27	0.13	0.24	0.33	0.19	1.39
ngor	23.50	43.50	51.10	38.76	31.57	46.89	18.62
Trengganu	3.20	0.36	0.48	1.14	1.21	1,00	4.64
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

spite the establishment of several new industrial estates, Perak's supposed has been relatively slower than that of Selangor's.

Tenang, the fourth most important state in value added from mufacturing, has been able to attract a substantial number of mufacturing industries in recent years. Its development has been mainly to its being a free port, and handling the commerce in tin habber for the northern part of Peninsular Malaysia. However, free port status was a hindrance to industrial development; induswhich intended to serve the whole Malaysian market were not to locate on Penang island because they had to face a customs when shipping products to the mainland. With the ending of the port status on the island and the development of deep water on the mainland side, manufacturing establishments have maded substantially in recent years.

Sembilan's economic development has been due to tin this state occupies fifth position in value added from manufactured. The major contribution to its industrial growth has been development of the petroleum industry at Port Dickson. The Dickson district alone accounted for 74 per cent of the value by industry in Negri Sembilan in 1968, but for only 21 per full-time industrial employment. The Seremban district and for 21 per cent of value added and 63 per cent of full-time industrial employment.

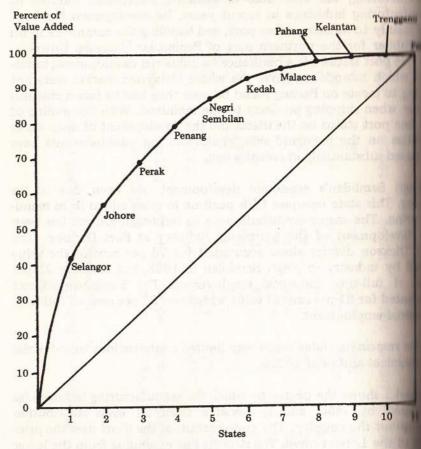
The remaining states made very limited contributions to industrial many ment and value added.

by value added) deviates from an even distribution the country. The construction of the chart uses the printiple Lorenz curve. The straight line extending from the lower corner to the upper right hand corner indicates the line of distribution of industries in the country, that is, a condition would exist if all states had the same share of value added in the line would follow the outer boundaries of the diagram. The line would follow the outer boundaries of the diagram. The line would follow the value added in manufacturing industries were concentrated in the line would follow the outer boundaries of the diagram.

the concentration of industries and other high-income activities in the states is both economically and politically unde-

CHARTI

Distribution of Manufacturing Industry in West Malaysia, 1968



sirable. It is politically undesirable because, since a large proportion of the Malays are concentrated in the relatively poor states, they feel that the government is not providing them with an opportute oparticipate in manufacturing. Also, it is the government's proportion of the people in the states but also to eradicate the identification of race with econcactivity. This process involves the development of modern activity (particularly manufacturing industry) in the poor region rapid and balanced growth of urban activities, and the creation Malay commercial and industrial community, so the "Malays"

some full partners in all aspects of the economic life of the

from the economic point of view industrial decentralization can least development of the poor states through utilizing the med resources (both labour and local raw materials). In the least loped states of Malaysia there are considerable pools of unused mines, which when utilized could increase regional output stantially. Another reason for establishing industries in the poor is that there is a high correlation between the level of state may and the share of modern industries. This correlation applies many countries. An example is the forty-eight states of the control United States. Of the twelve with the highest proportion applied in agriculture, ten were among the poorest twelve, the making two among the next poorest twelve. On the other end of male, ten of the least agriculturally occupied were among the richest states and the remaining two among the next twelve

would be an exaggeration to claim that there is always a balance than tage in favour of accelerating industrial development in the states, but it can be said that such a policy would enable in these areas to find employment more easily and to obtain a standard of living. However, this policy is based on the ideas many rather than on potentiality.

bolley of taking industry to the depressed regions cannot be solded with the objective of attaining maximum rate of national thome regions are relatively unsuitable for industrial development that it would not be economical to make the effort. It is some isolated factories may sometimes succeed, but everywhere shows that some concentration of industry is because of the advantages of external economies. 13 It

The Recond Malaysia Plan 1971-1975, p. 1.

Florence, Economics and Sociology of Industry, (Baltimore: John 1969) p. 168.

for example, Sam Aaronovitch and Malcolm C. Sawyer, "The Conof British Manufacturing," Lloyds Bank Review, October 1974; M.C. Concentration in British Manufacturing Industry," Oxford Economic 123, No. 3, November 1971; and M.C. Conroy, "Alternative Stratelegional Industrial Diversification," Journal of Regional Science, Vol. April 1974.

would be unwise to scatter industries all over the depressed region an effort to achieve a more balanced regional industrial development. This is not to argue that it is not economically feasible to stimular industrial development in the poor states. Such a policy can reconciled with the objective of maximizing the national economic growth rate if the poor states develop industries in areas where contions are favourable or where they can be achieved at the lowest of the total the poor states.

The point to note here is that development strategy is become more oriented towards multiple goals — in output, employed distribution of income, social development, environmental proteion, etc. The relative weights to be attached to each of these obtives obviously vary among countries. In Malaysia, the goal of equality is predominant at this stage of the country's development of the Second Malaysia Plan emphasized that "the establiment of manufacturing activities in the less developed areas of country represents an important dimension of the industrialization programme of the Plan." This policy is again stressed in the Malaysia Plan 1976-1980. 15

Industrial Decentralization Policy

Having examined the need for industrial decentralization and fact that decentralization implies the directing of new manufacture industries to selected areas in the less developed states, we must consider the question of how best the government can induce in trialists to locate in these areas. What kind of policy measures we effective, and what are the problems involved?

The policy measure needed to influence industrial location or classified into various categories. The following Sections 1 throudescribe some of these measures.

(1) State Participation

Industrial decentralization may be more effective if it invided in industry. An example of the

¹⁴ The Second Malaysia Plan 1971-1975, p. 154.

¹⁵ The Third Malaysia Plan 1976-1980, p. 314.

the public sector in industrial decentralization is the case of othern Italy. Legislation of 1957 required state-controlled contions to make at least 60 per cent of their new investments and per cent of their total annual investments in Southern Italy. 16 largest state corporation, the Instituto por la Riconstruzione latriale (IRI), has important holdings in steel, electricity, shippling, and engineering. At the end of the 1960s, it was realized the industrialization policy of Southern Italy has had less impact was anticipated. The wide disparities in income between the and the south still existed, and industrial development had confined to only a few locations. To remedy this situation, the ment introduced, in 1960, the concept of "contrattazione mammatta," which called for the coordination of future public invate investment in the south, so as to achieve most efficiently enomic and social objectives of the Italian five-year plan.

planned growth point based on a carefully designed industrial that. The assumption underlying this proposal is that achieving maining growth will not be possible without creating some intricate interindustry linkages such as are found in establindustrial concentrations. The consultants proposed the setting an integrated industrial complex based on a combination of and light mechanical engineering and including an appropriate manifestal industries providing input and making use of some

Italian government's policy toward industrialization in the has changed drastically over the last twenty years. A policy of up the infrastructure and then relying on the private investevolved through a growth-point strategy with conventional ment incentives to the prospect of large scale coordination of and private development and the creation of a complete industrial complex. The most important lesson to be from the Italian experience is that total government involvement the process of industrial development is essential for reductive gional economic imbalances, since anything less is likely to

M. Smith, Industrial Location. An Economic Geography Analysis, John Wiley & Sons, 1971).

Newcombe, "Creating an Industrial Development Pole in Southern mural of the Town Planning Institute, Vol. 55, 1969, pp. 157-161.

M. Smith, op. cit., p. 474.

be ineffectual.¹⁹ Even the greatest skeptic who takes an implook at Southern Italy now must admit that much improvement been achieved through government participation.²⁰ Internst experiences of public involvement in economic development in that tentative small-scale action is perhaps worse than no activall. Planning in the industrial sector, to be successful, should be according to some wider grand designs for the economy society.²¹ A United Nations report argues that "both in the oped and developing countries the problems of industrial location to considered in isolation comprehensive national programming should be recognized as the best framework for macro-economic solutions of the problems of industrial location

(2) Regulation and Control

Under this measure it is hoped that the refusal of a liceneestablishing a plant in a developed region will induce the investestablish it in a depressed (uncontrolled) region. This may effective way of limiting the concentration of new industries a congested areas, but it is a doubtful means of inducing industries growth in the depressed regions.

In most cases, firms prohibited from establishing themselves developed areas will make smaller profits in the depressed than they would have made in their preferred location in a developed. Such firms may nevertheless locate in the less developed provided they can earn a sufficient rate of profit. That expected rate of return in the less developed regions, though than in the developed regions, would have to exceed the obtainable in other investments in Malaysia or abroad.

There are a number of characteristics related to the prohibon the expansion of existing plants which do not occur in the new plants. Three alternative ways of increasing output are open

¹⁹ Ibid., p. 475.

²⁰ George Solveytchik, "Reflections on Italy," Lloyds Bank Review, (*) 1970, p. 48.

²¹United Nations, Industrial Location and Regional Development York: 1971), p. 472.

²²United Nations, Economic Commission for Europe, (New York, 1991)

which is refused permission to extend its factory in a controlled beloped) area. It may (a) increase production in the existing bey, solely by increasing its usage of factors of production; (b) the entire plant in an uncontrolled area; or (c) establish a behalt in an uncontrolled area.

increasing output by transferring the entire plant or by blishing a branch plant in an uncontrolled area must be smaller the costs of increasing output at the old site. Because of the blished plant that wishes to expand to transfer its entire to a less developed region than it is to induce a potential than to locate in such a region. A.E. Holmans^{2 3} argues that if a prevented from establishing a plant in a desired locality, it will not the following three things: (1) it may set up the plant in the following three things: (2) it may decide not to invest in the plant (3) it may decide to invest in a foreign country where there attention to industrial location.

Bell's study of South Africa showed that physical controls to be unsuccessful. Bell concluded that the potential configuration of physical controls to industrial development in the areas was based essentially on short term considerations.²⁴

because of the danger that direct controls will have a detrieffect on output and economic growth that many economists everyment intervention through the market mechanism.

areas are scheduled for restrictions, it is important to only the mobile industries, which will not be gravely handif they locate elsewhere; other industries should have freelocate where they please. And when we are seeking to
particular regions, it is better to proceed by inducement
by direction . . . If industry will not come to an area even

Halimana, "Restriction of Industrial Expansion in South-east England: Oxford Economic Papers, July 1964.

Hell, Industrial Decentralization in South Africa, (London: Oxford

The Principles of Economic Planning, (London: D. Dobson,

when special efforts are made to reduce the cost of working the it is dangerous to direct it there, for there must be somethe basically wrong with the area.

(3) Provision of Infrastructure

The availability of good transportation is another major deminant of industrial location. It is evident that many firms in developing countries are strongly influenced by transport and munications. The presence of industrial sites close to the high network is proof of this. A remote location not only increased cost of transport, but may also cause difficulties in meeting orders. It is also essential to be in a location giving food acceptance of transport.

Many countries tend to confine public intervention to expende on services and infrastructure. This is because "there is the fee that social overhead capital is the proper sphere for public liment, while any direct industrial investment would be imprended in the public sector activities." For example, the early phase of the Italian industrial decentralise programme (that is, inducing industries to move south), the emprended, railways, water supply, and other essential services as improvement of agriculture.

The French regional policy has always emphasized the new improved communications both within and among regions as a factor in any development strategy. The French believe that an tive communication system within a region is crucial for creatwide and varied labour market and is a means of linking growth areas with other parts of the region, thus allowing the graves to become geographically more extensive. In fact, the French Plan 1962-1965 stressed that infrastructure was the regional development; it was even more important than finance to private industry.

²⁶P.N. Rosenstein-Rodan, "How to Industrialize an Under-developed in W. Isard and J.H. Cumberland (eds.) Regional Economic Planning: Telloof of Analysis for Less Developed Areas, (Paris: Organization for Economic Cooperation, 1961), p. 206.

²⁷K. Allen and M.C. MacLennan, Regional Problems and Policies in France, (London: George Allen & Unwin, 1970) p. 194, and Desi "Regional Policy in the European Economic Community," National minister Bank Quarterly Review, August 1973, p. 11.

Although land cost may be a major item in the initial setting up of plant, it becomes less important when considered over a long and. It may, therefore, be a relatively unimportant factor in determing choice between comparable sites. A more important factor is provision of a wide variety of ready-built factories on fully wheel sites. Such factories can facilitate immediate production and some initial problems faced by the new firm. From an momic point of view, these buildings available for immediate mancy are a subsidy to start-up costs, since the opportunity costs lime lost looking for a suitable plant are minimized. Firms anxious light operations are likely to choose a locality with available and other necessary facilities, in spite of other non-optimal the availability of fully serviced histrial estates is likely to affect the regional distribution of indusdevelopment. In particular, firms with longer expected search will be more influenced by the availability of full serviced sites.

Fiscal and Financial Incentives

exemption is one of the most common measures for inducing detail decentralization. This incentive takes the form of total amption from company tax on profits earned during a given period

Many governments in the developing countries have assumed that (both local and foreign) are interested only in maximizing that tax exemption is the most effective way of achieving therefore also the most effective way of maximizing the investment into the less developed regions. Some economists hallenged this hypothesis. They argue that this may be true of which are neither subsidiaries nor associates of large intercompanies, and it may be true of industries which have been solely to take advantage of the temporary tax conces-Mowever, this rationale cannot be applied to many firms. In large number of firms may not base their investment decisions maximization of profits per se, but on minimum or target of return below which investment will not be made. According Fyle, "tax concessions per se do not determine profit-They cannot transform a basically unprofitable project into a mable one. High taxes need not necessarily mean that profits will while low taxes are no guarantee to high profits."28

Wiscon-Fyle, "Economic Inducements to Private Foreign Investment in Journal of Development Studies, Vol. IV, No. 1, October 1967, p. 121.

When discussed separately, some of these measures may seemore effective in inducing industrial decentralization than other However, it must be noted here that the programme for industrial decentralization will require a package approach; that is, all the measures will have to be adopted simultaneously. In the case Malaysia, however, the regulation and control method may not feasible in encouraging industrial decentralization. This is because Malaysia is making an all-out effort to attract foreign private invetors, and they need to have a free choice of location. The majority foreign investors have reservations enough about investing in developing countries, without being forced to locate their plants the poor regions of these countries. Therefore, the practical strategies to let investors have a free choice of location, but to offer all benefits as an inducement to get them to locate their plants in the less developed states.

Plant Location in Peninsular Malaysia

To determine the effectiveness of the industrial decentralization policy in Malaysia it is first necessary to know what factors in the enced the location decisions of manufacturing establishments in country. To answer this question the managers of 292 manufacturing firms which were established between 1970 and 1976, were interested.²⁹ The geographical distribution of the 292 firms are follows:

State	Town	Number of Firms
Johor	Johor Bahru Batu Pahat, Muar	48
Kedah	Alor Star Sungai Petani	25
Malacca	Air Keroh, Tanjong Kling, Batu Berendam	20
Negri Sembilan	Seremban	14
Pahang	Kuantan	21
Penang	Prai, Butterworth, Bayan Lepas	43
Perak	Ipoh, Taiping	23
Selangor	Kuala Lumpur, Klang, Petaling Jaya, Shah Alam	98
	Total	292

²⁹These interviews constitute part of my present research projects on "Income and Employment Generation of New Manufacturing Establishment Peninsular Malaysia" and "Criteria for Location of Industrial Plants", projects involve interviews with both the plant managers and the employed approximately 300 selected manufacturing firms in Peninsular Malaysia.

the study is also disaggregated into major industrial groupings in other to discover possible differences in the relative strength of the stre

the plant managers were asked to indicate the factors which had most influence on their location decisions. The ten most import-

TABLE 4

The Reasons of Plant Location for 292 New Manufacturing Establishments in Peninsular Malaysia

Reasons for Plant Location	Total
Industrial estate (fully serviced site)	172
Good transport facilities for goods	161
Accessibility to main markets	141
Supply of trainable labour	123
Low labour rates	111
Accessibility to main suppliers (or raw materials)	108
Government tax incentives	74
Ready-built factory	71
Low factory rent	56
Supply of trained labour	48

The study clearly indicates that industrial estates have been determinant in plant location in Peninsular Malaysia. One and seventy-two firms quoted the availability of industrial (fully serviced sites) as one of the factors which influenced meation decisions; a close second was the availability of good

transportation facilities for their finished products. Accessibility main markets ranked third, followed by the availability of trainable labour. The surprise, of course, is that only seventy-four firms elegovernment tax incentives (tax exemption, investment tax credit etc.) as one of the factors which had affected their location decisions. This implies that tax incentive is generally not a decisive factor in the choice of plant location in Peninsular Malaysia. In fact, a law number of plant managers indicated that they applied for tax exemption only after they had decided on the location of the plants. On manager in Prai, Province Wellesley, even said that his firm had decided to start production even though its application for exemption was not yet approved. He cited the availability of inductrial estate and good port facilities as the decisive factors in localisin Prai.

Some Policy Recommendations for Industrial Decentralization Peninsular Malaysia

The empirical study discussed above will help us determine most effective measures to be included in a programme for industrication. It will also enable us to review the effectiveness the present industrial decentralization policy in Peninsular Malays

The effectiveness of the present policy can be measured by number of industries that have been established in the less develop states. Table V indicates that the policy does not seem to be v successful in achieving industrial decentralization. It must be policy out, however, that the table is not in itself conclusive evident "Approved companies" need not necessarily be the same as intries actually in production. Nor do they indicate the scale of companies' operations. A higher percentage of the "approved companies" for Selangor and Penang in 1970 and 1971 have now stated production compared to the other states. Therefore, a for "industries started" might well indicate greater disparities.

Table 5 shows that Selangor has consistently secured more to one-third of all approvals. Penang and Selangor together have a sistently attracted more than half of the new industries. The most rapidly growing states — Selangor, Perak, Johor, and Penansecured between 75 per cent and 85 per cent of new approximately managed and per cent and 85 per cent of new approximately more than 10 per cent to slightly more than 20 per cent the overall total.

TABLE 5
List of Approved Companies 1970-1973

Location	1970	1971	1972	1973
Mangor	139	126	129	167
Around Kuala Lumpur	14	26	28	38
Petaling Jaya	38	22	21	18
Mingai Way	10	:	10	14
Mhah Alam	37	42	31	29
Klang	14	15	14	20
Other Areas	36	21	25	48
Finance	43	53	58	79
Around Georgetown	a L etc	5	5	7
Frai and Mak Mandin	28	32	31	44
Mayan Lepas	3	3	17	7
Other Areas	12	13	15	21
Forak	37	21	24	46
looh and Tasek	18	11	10	19
Taiping and Kamunting	6	3	8	5
Other Areas	13	7	9	22
Athore	51	44	49	48
Heri Hembilan	7	15	12	18
Milacca	3	7	11	26
Tahang	5	5	9	13
Redsh	6	3	10	12
Relantan		2	2	5
hrryganu	4	1	5	6
Bulls control of the second	1	2	1	AGI 4

Far Eastern Economic Review, August 30, 1974, p. 58.

There are several possible reasons for the slow progress of trial decentralization. One reason could be attributed to industrial decentralization. Industrial estate is one of the measures and to encourage industrial decentralization in Peninsular Mala Appendix II shows the location of industrial estates in Malaysis October 1, 1976. There is a total of 55 industrial estates in Malaysis The question relevant at this point, however, is not how many trial estates have been established but rather how efficiently industrial estates are managed and coordinated. We should also what measures need to be taken to make industrial estates in poor states more attractive to industries.

One striking point is that there is no federal control or management and administration of the industrial estates in Male The management of the industrial estate is in the hands of the Economic Development Corporation (SEDC). There is evidence to indicate that this is not a satisfactory arrangement most of the SEDCs are incapable of handling such a task. All the industrial estates have been provided with the basic infrastructure facilities such as water, power, and telephone, social infrastructure facilities such as housing, have either not provided or have been limited. For example, in the Kamunting trial Estate in Perak, there is a lack of housing facilities. It that failure to provide such facilities have created a labour and wage disputes; the demand for higher wages by some employed be due to the high cost of living as a result of the short reasonable accommodation facilities.

It has also been reported that basic social services were lack the industrial areas of Johor and Penang. For example, the industrial areas of Johor and Penang. For example, the industrial workers from other areas had resulted in a shortage of a accommodation in Johor Bahru. Rentals for very modest rooms had more than tripled and many industrial workers were in crowded conditions which would not have been condoned had been subject to government regulations. Furthermore services in the industrial areas were inadequate and poorly schellulicensed private taxis remained an essential part of transpindustrial areas. These were in poor condition and were thus to the safety of those who used them. Finally, employed

³⁰ FIDA, "Report on the Industrial Development of the Northern Peninsular Malaysia," (Kuala Lumpur: FIDA, 1972), p. 50.

³¹ Ibid.

Hospital. There was, for example, no effective emergency to deal with industrial accidents and often no doctor available the second and third shifts (night and early morning).^{3 2}

India.³ It has been rightly argued that "like other instruof public policy, industrial estates can achieve well defined forganized properly..."³

industrial estates in the country. The states can develop any of industrial estates they want.³⁵ To have a more systematic ment of industrial estates there is an urgent need for a mil Policy of Industrial Estate Development and Administrating such a programme, the Federal Industrial Development (FIDA) should be empowered to formulate the national estate development policy; it should also have the function and administering the industrial estates. The programme that there is a proper balance in the size and the of industrial estates in the less developed states.

carrying out the industrial decentralization programme in the control of the industrial decentralization programme in the changes in the organizational arrangement of FIDA vis-a-vis the changes in the organizational arrangement of FIDA vis-a-vis the changes in the organizational arrangement of FIDA vis-a-vis the changes in the organizational arrangement of FIDA vis-a-vis the changes in the organizational arrangement of FIDA vis-a-vis the changes in the organization one way or another overlooked areas in which power is acquired by a new than the increase of funds to an organization can produce an activity, but there is no certainty that it will produce the activity the government desires. Furthermore, speed is not

Miralta Times, December 20, 1972, p. 9.

Lefeber and Data-Chaudhuri, Regional Development Experiences in South and Southeast Asia, (The Hague: Mouton, 1971), p. 176.

the case where the state requests for financial aid from the state reque

ensured, because seldom can one single agency perform the who range of tasks necessary to expand its funds. What is therefore tial is political backing^{3 6} needed to induce other agencies to fell the desired programme. FIDA was established in order to be government's instrumentality for industrial development, absorb and superseding the existing fragmented setup. Thus, as with Economic Development Board in Singapore, equipped with range of services, access to resources, and ability to produce que and binding decisions that will help a prospective investor carry investment decisions."37 However, has FIDA acquired the status authority of the Singapore Economic Development Board? In In it can be argued that FIDA had been unable to establish all functional and normative linkages with its environment. An example is that under the present arrangement, FIDA does not have authority to coordinate the industrial estate programmes of SEDCs and thus ensure the smooth implementation of the indusdecentralization policy; FIDA's role on the SEDC Board in pure advisory. It can therefore justifiably be said that the present on zational arrangements are more likely to frustrate than facilitate objective of industrial decentralization.

The way in which such problems might be overcome is to FIDA under the jurisdiction of the Prime Minister's Department Under this arrangement, FIDA will be able to obtain the policy backing of the Prime Minister. This will also enhance FIDA's preand therefore facilitate the coordination of other agencies by allow them with its policy.

At present FIDA operates essentially at the national level. It is obviously a need to establish regional offices, at least one in state. This will require additional resources, both finances and it manpower. However, such an obstacle can be overcome if FIDA the full support of the Prime Minister's Office. These regional

³⁶ Or "enabling linkages," in institutional building terminology.

³⁷Milton Esman, Administration and Development in Malaysia (Inc.)
Cornell University Press, 1972), p. 232.

³⁸ There are at present six FIDA branches throughout Malaysia — one Kota Bahru, Kuantan, Alor Star, Ipoh, Kota Kinabalu, and Kuching. Hothe functions of these branches are extremely limited. Each is managed FIDA personnel and its functions are limited to attending SEDC Board and to provide information and explain any relevant matters to potential tors.

in accordance with the general policy laid down by the FIDA lince a regional unit is in direct contact with local people and lines, it is potentially more capable than the central office in the technical services to local industry. Regional offices the therefore, include all the administrative and professional lines are needed to perform their functions. They would consist, mample, of a planning unit, an advisory unit, and an organizationit. Each regional office would be under a regional director mould operate in all areas of industrial development.

med to be reviewed is the system of fiscal and financial incenindustries. The empirical study on plant location in Penin-Malaysia indicates that government tax incentives ranked very mong the factors that have influenced location decisions. Permain reason for this is that the tax incentives are not attracment to induce manufacturers to locate their plants in the less main taxes. A system of locational incentive has just been introlan approved company locating its plant in an area specified mational incentive area" may be granted a maximum tax relief

manufying criteria and number of years of tax relief are as

Hillying Level of Fixed Capital

Spenditure/Employment

Period of Tax Holiday Years

m fixed capital expenditure less m #150,000 or employment less

5

freed capital expenditure not ##### \$250,000 or employment ##### than 101

6

January 1, 1975 were: Kedah (excluding Kuala Muda District), teluding Kuantan District), Kelantan, Trengganu, Perlis, Sabah, Johor Tenggara Area. The exclusion of the Kuala Muda District mantan District is a questionable strategy, especially since Kuantan is much center of the east coast states.

"All About Investment Incentives," (FIDA, 1975), p. 11.

For fixed capital expenditure not	
less than \$500,000 or employment	7
not less than 201	mind in
For fixed capital expenditure not	
less than \$1,000,000 or employment	or Lisbon
not less than 351	8
Priority Product	1
Malaysian Content	1_
Total number of years of tax relief	10

A maximum of ten years of tax relief for a plant located in tan, for example, is not very attractive in terms of the additional costs that have to be incurred, such as the higher cost of transported finished products to distant market centers (such as Lumpur). A more meaningful system of tax incentives is to the country into three areas and grant tax relief according to the in which the plant is located. The areas will be classified according to the level of state per capita income and its stage or level of induitation. Accordingly, the country might be divided into:

- (1) The top priority area, which could include Kedah, Kenner, Trengganu, Sabah, and Sarawak. Industries loss this area could be granted tax exemption for a period to 18 years;
- (2) The intermediate priority area, which could include Malacca, Negri Sembilan, Pahang, Penang, and Peral located here could be able to enjoy a tax exemption of up to 12 years;
- (3) The low priority area which, of course, is Selangon located here could be granted tax exemption for a purp up to 6 years.

Another possibility is to provide grants in accordance will location. Firms in the top priority area may, for example, be to grants of up to 40 per cent of the capital cost of new planachinery and up to 50 per cent of the cost of new building.

ther strategy which is necessary to achieve industrial decention concerns the availability of good transport facilities. As and in the empirical study, good transport system was the most important factor which had influenced plant location of seeted industries. Almost all the firms in Selangor indicated the billity of good transport as one of the reasons for locating in the Of course, good transport system also facilitates accessibility to markets, which is another important factor in plant location. It argued that if the government is really serious in encouraging to locate in the less developed states, a new programme for twelopment has to be incorporated into the Third Malaysia 1976-1980. The minimum requirement of such a programme include the construction of:

- dual carriageway from Kota Bahru, Kuala Trengganu, and Kuantan to Kuala Lumpur;
- in a dual carriageway from Kangar to Kuala Lumpur;
- all a dual carriageway from Johor Bahru to Kuala Lumpur; and
- ili a dual carriageway from Kuantan to Johor Bahru.
- programme would, of course, involve a substantial amount militure; however, it is unlikely that industrial decentralization be successful without major improvement in our road an efficient transport and communication system will help wider market for the manufactured products and is a means major growth centers of the less developed states thereby these centers to become geographically more extensive.

tision

Malaysia has to be reformulated if it is to encourage the industry in the less developed states. Shortcomings exist, with the industrial decentralization policy itself but also implementation of the policy. The above recommendations of courses of action that appear to be necessary if the goal industries in the less developed states is to be achieved.

APPENDIX I

Population by State and Race, West Malaysia, 1970

240	Omer	1,276,969	954,749	686,266	404,491	481,491	504,900	775,440	1,569,161	120,991	1,630,707	405,539	8,819,928
ier	%	0.4	1.6	1.1	0.7	0.4	0.3	1.7	0.2	2.4	8.0	0.1	1.0
Other	No.	6,204	15,436	7,254	2,889	2,055	1,593	12,975	4,211	2,935	13,454	526	69,531
an	%	6.7	8.4	8.0	7.8	16.1	7.3	11.5	14.2	2.0	18.3	9.0	10.6
Indian	No.	85,262	80,366	5,332	31,619	77,603	36,656	89,319	222,718	2,437	298,876	2,441	932,629
e	%	39.4	19.3	5.3	39.6	38.1	31.2	56.1	42.5	16.2	46.3	5.4	35.4
Chinese	No.	502,978	184,263	36,668	160,084	183,444	157,666	435,366	666,237	19,571	754,348	21,725	3,122,350
	%	53.5	70.7	92.8	51.9	45.4	61.2	30.7	43.1	79.4	34.6	93.9	53.0
Malay	No.	682,525	674,684	637,012	209,543	218,389	308,986	237,780	675,995	96,048	564,029	380,847	4,685,838
Choto	o de la composición della comp	Johore	Kedah	Kelantan	Malacca	Negri Sembilan	Pahang	Penang	Perak	Perlis	Selangor	Trengganu	Total

APPENDIX II

Industrial Estates in Malaysia (As of October 1, 1976)

Hame of Industrial Estate	Distance from Nearest Town	Total Area (Acre)	Type of Industries Preferred
MONE			- Heathert
I Larkin and Tampoi	2 miles from Johor	413.0	General
# Fasir Gudang	Bahru 18 miles from Johor Bahru	2294.0	General
A Tanjong Agas	1 mile from Muar and 24 miles from Malacca	241.0	General
1 Tongkang Pecah	3.5 miles from Batu Pahat	37.5	Light and Medium industries
REDAH			
1 Tham Batu	Summi Patoni	1000	
Bakar Arang	Sungai Petani 2 miles from Sungai Petani	100.0 550.2	General General
# Huala Kedah	6.5 miles from Alor Setar	43.3	General
1. Mergong	2.5 miles from Alor Setar	150.2	General
HELANTAN			
I Fengkalan Chepa	6 miles from Kota Bahru	48.0	Light industries
HALAGGA			
1 Air Keroh	9 miles from Malacca	246.0	General
# Hatu Berendam — FTZ	town 3 miles from Malacca town	52.0	Electronic industries
* Temjong Kling — FTZ	8 miles from Malacca town	20.0	Shoes and textile industries
I Fanjong Kling	9 miles from Malacca	150.0	General
Adm Gajah	town 14 miles from Malacca	100.0	General
8 Birkit Rambai	town 9 miles from Malacca town	35.4	General wood/wood-based
I Marlimau	13.5 miles from Malacca town	180.0	industries General
BURI SEMBILAN			
Sampong Dioh	4.5 miles from Seremban 1/4 mile from Kuala Pilah	330.0 57.0	General General
EHANG			Antonio de la companya de la company
I firmambu			
Britishing	3 miles from Kuanton	510.0	General
I Ferance	5 miles from Temerloh 2 miles from Pekan	154.0 310.0	General Wood and agro-based industries requiring plentiful supply of
2 Maren	30 miles from Temerloh 50 miles from Kuanton	35.0	water General
MAN			
I Tank			
Tank .	4.5 miles from Ipoh	369.0	General
Peninting	2 miles from Ipoh	102.5	General
First thinter	2 miles from Parit Puntar	808.0	General
Freis Kangsar	1 mile from Parit Buntar, 30 miles from Taiping 1 mile from Kuala	300.0 124.0	General
	Kangsar, 30 miles from Ipoh	124.0	General

APPENDIX II (CON'T)

	ALL BOOM II (BOOK	**	
Name of Industrial Estate	Distance from Nearest Town	Total Area (Acre)	Type of Industries Preferred
PENANG			
1. Bagan Serai	Bukit Mertajam	199.4	General
2. Bayan Lepas	10 miles from George- town	52.5	Industries requiring
3. Bayan Lepas FTZ	10 miles from George- town	438.9	Industries requiring
4. Prai	6 miles from Bukit Mertajam	1200.4	General
5. Prai FTZ	Bukit Mertajam	874.2	Industries requiring sea transportation
6. Prai Wharf FTZ	Bukit Mertajam	42.0	Industries requiring sea transportation
7. Mak Mandin	2 miles from Butter- worth	248.8	General
8. Pulau Jerejak FTZ	Batik Pulau	406.0	Shipping industries
SELANGOR			
1. Shah Alam	15 miles from Kuala	1362.0	General
A. Dalah Ammi	Lumpur and 7 miles from Klang	100210	
2. Petaling Jaya	8 miles from Kuala	770.0	General
	Lumpur	I TOTAL SELECTION	CONTRACTOR OF THE PARTY OF THE
3. Pandamaran	4 miles from Klang, 24 miles from Kuala Lumpur	171.65	General
4. Batu Caves	5 miles from Kuala Lumpur	141.7	General
5. Sungai Way/Subang FTZ	9 miles from Kuala Lumpur	140.5	Export oriented industries
6. Telok Panglima Garang	10 miles from Klang	99.0	General
7. Telok Panglima Garang FTZ	10 miles from Klang	52.5	Export oriented industries
8. Ampang/Ulu Klang	5 miles from Kuala Lumpur	60.0	General
9. Ampang/Ulu Klang FTZ	5 miles from Kuala Lumpur	50.0	Export oriented
10. Selat Kelang Utara	2 miles from Klang	1605.0	industries General
TRENGGANU			
1. Gong Badak	11 miles from Kuala	233.0	General
2. Jakar	Trengganu Jakar town	112.0	General
SABAH			
1. Kepayan	3 miles from Kuala	130.0	General
2. Likas	Kota Kinabalu 5 miles from Kota	320.0	General
3. Likas (extension)	Kinabalu 5.5 miles from Kota	257.0	General
	Kinabalu	20110	Ochelai Ali Maria
SARAWAK			
Pending (Including private industrial land)	4 miles from Kuching	1194.0	General
2. Semariang	4 miles from Kuching	120.0	Light and heavy industries
3. Upper Lanang	7 miles from Sibu	220.0	Shipping, wood-hand vehicles and light
4. Piasau	4.5 miles from Miri	83.0	industries General

Total number of industrial estates in Malaysia

55

Total Area

18,513.67 acres

Source: Regional Affairs Division, FIDA.