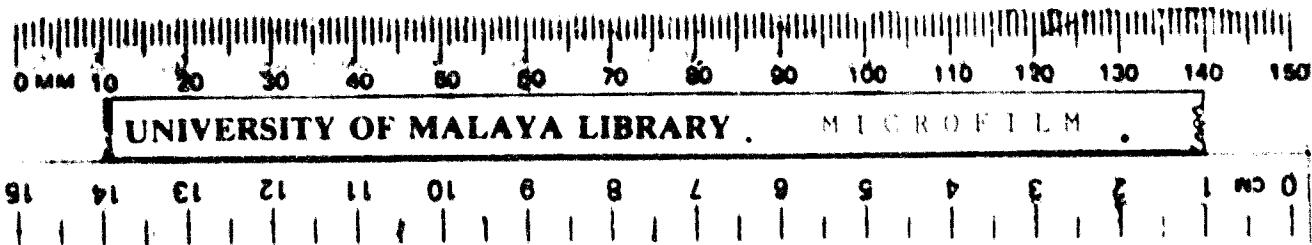


PERPUSTAKAAN UNIVERSITI MALAYA

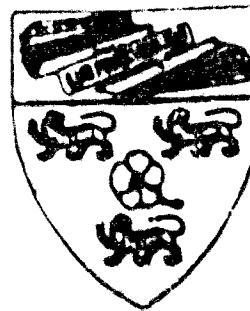
PERKHIDMATAN REPROGRAFI

UNIVERSITY OF MALAYA LIBRARY

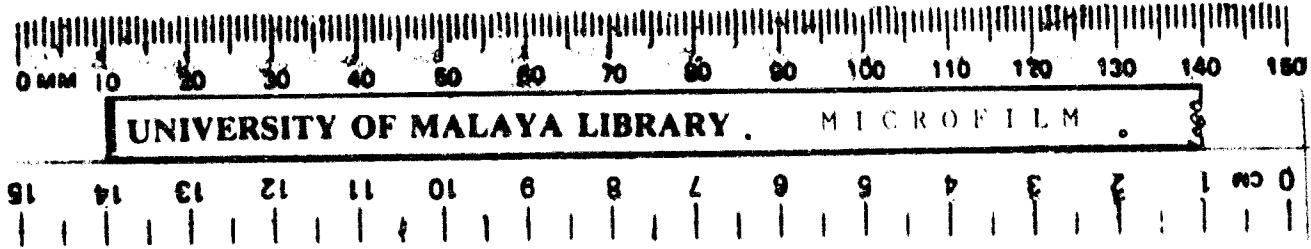
REPROGRAPHIC SERVICE



UNIVERSITY OF MALAYA LIBRARY . MICROFILM .



MULA



UNIVERSITY OF MALAYA LIBRARY . MICROFILM .

Gantang
Training & Services
Microfilm Library
100

AAU - 3781.

PER. UTAMA-UM



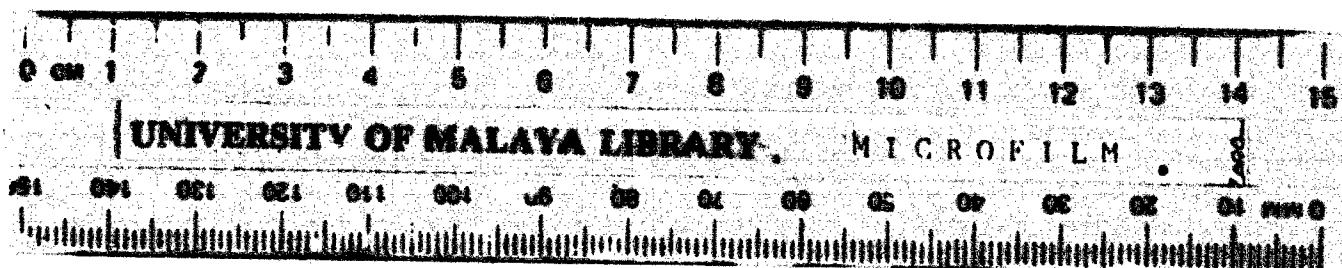
A004477909

TANJONG KARANG SURVEY - PHASE III

A SURVEY OF LAND OWNERSHIP AND
OPERATION AND OTHER MATTERS
IN BLOCK S

by

Yew Chor Huat



UNIVERSITY OF MALAYA LIBRARY, MICROFILM

01 02 03 04 05 06 07 08 09 00 01 02 03 04 05 06 07 08 09 00 01 mm

A Graduation Exercise presented to
the University of Malaya in
part fulfilment towards the
Degree of Bachelor of Arts
with Honours in Economics

LIBRARY
FACULTY OF ECONOMICS & ADMINISTRATION
UNIVERSITY OF MALAYA

TABLE OF CONTENTS

	Page
LIST OF TABLES	v
LIST OF MAPS	viii
LIST OF PHOTOGRAPHS	ix
LIST OF GRAPHS	x
LIST OF FIGURES	xi
EXTRACT OF TABLES	xii
Chapter	
I. INTRODUCTION	1
Objectives of Study	1
Methodology	2
Problems	2
Terminology	3
Sawah Sempadan	4
Block 3	4
II. HOLDINGS AND FARMS	11
Lot and Sub-lot	11
Distribution of Holdings by Size (by lots) . . .	11
Distribution of Farms by Size (by lots) . . .	17
Total are of Farms and Holding under Crops . .	22
Counting Lots according to Block by sizes in Sawah Sempadan	25
III. DISTRIBUTION OF HOLDINGS AND FARMS BY AREA . . .	31
Distribution of Farms by Area	33
IV. FRAGMENTATION	38
Fragmentation of Holdings in Block 3 only . . .	38
Fragmentation of Farms in Block 3 only	42
Fragmentation of Holdings of Block 3 comprising of lots inside and outside Sawah Sempadan . . .	43
Fragmentation of Farms of Block 3 comprising of lots inside and outside Sawah Sempadan	48

V.	FORMS OF LAND OWNERSHIP	54
	Single ownership	54
	(i) Pseudo claim	54
	(ii) Purchase	54
	Subdivision form of ownership	56
	(i) Subdivision	56
	(ii) Concealed ownership on subdivided lots .	56
	Subdivision through inheritance	57
	Subdivision through purchase from first owner	57
	Subdivision through Joint Purchase	59
	Subdivision through purchase from present owner	59
	Types of Titles	60
	Transfers of ownership of lots	61
VI.	FORMS OF OPERATIONS	65
	Definition of Operation	65
	(a) Forms of Operation under Single Ownership	65
	(i) Owner/operator	66
	(ii) Tenant operator	66
	(iii) Free tenant operator	66
	Rent (under single ownership)	
	Payment of Kind in advance	67
	Cash Rent	67
	'Bagi Dua'	68
	No Rent (Rent free)	69
	(b) Forms of operations under Subdivision	
	form of ownership	71
	Two owners/two operators	71
	Two owners/one non-owner operator . . .	71
	Two owners/Two non-owner operators . . .	73
	Three owners/Three operators	74
VII.	OUTPUT AND PRODUCTION	75
	Definition	75
	Three distinct group of output	75
	Output and Productivity under Single ownership	85
	Output and productivity under subdivided form	
	of ownership	92
	Output and productivity by location of Block .	96
VIII.	PESTS AND DISEASES	107
	Pests	107
	Diseases	108
	Lots affected by Pests and Diseases	109
	Lots affected by Diseases only	111
	Lots affected by Pests only	112
	Lots not affected by Pests and Disease	112

Chapter		Page
IX.	Effects of Pests and Diseases by Sections	112
IX.	WATER SUPPLY	120
	Part I Water Supply by Location	120
	Part II Phasing and quantity of water supply by Sections	123
	Part III Water Supply in relation to farms . . .	125
X.	OTHER CROPS	128
	Other Crops by Location	128
	Other Crops by Farms	132
	Summary	135
XI.	CONCLUSION	137
	Part I To examine briefly the farm and degree of land ownership, operation and fragmentation of farms and holdings of Block S.	137
	Part II To examine the economic effects of Part I	141
	Part III Suggestions to ameliorate the present situation of land ownership and operation in Sawah Sempadan - with reference to subdivision and fragmentation . .	142

Appendix

I.	Glossary of Farms used in this Exercise	148
II.	Holdings List	150
III.	Farms List	157
IV.	Questionnaire (TKPS 4/04 Land 1) used during the survey	158

LIST OF TABLES

Tables		Page
2.1	Distribution of Holdings by Size	12
2.2	Types of Holdings - by lots	13
2.3	Holdings made up of lots in Block S only	14
2.4	Holdings made up of lots in Block S and other Blocks	15
2.5	Holdings made up of lots in Block S and lots outside Sawah Sempadan	16
2.6	Distribution of farms by size	18
2.7	Types of farms by lots	19
2.8	Farms comprising of lots in Block S only	20
2.9	Farms comprising of lots in Block S only and in other Blocks	21
2.10	Farms comprising of lots in the Block and lots outside the Sawah Sempadan	22
2.11	Area of farms and holdings of Block S	23
2.12	Actual location and Distribution of land area	24
2.13	Counting lots of holdings by sizes according to Blocks in Sawah Sempadan	26
2.14	Counting lots of farms by sizes in Block in Sawah Sempadan	28
3.1	Analysis of Holdings by acreage	32
3.2	Analysis of Farms by acreage	34
4.1	Analysis of Fragmented Holdings	44
4.2a	Fragmented Holdings comprising of lots in Block S only	46
4.2b	Fragmented Holdings comprising of lots in Block S and other Blocks	46

4.2c	Fragmented Holdings comprising of lots in Block S and lots outside Sawah Sempadan	47
4.2d	Fragmented holdings comprising of lots from the three places	48
4.3	Analysis of fragmented farms	49
4.4a	Fragmented Farms of Block S only	50
4.4b	Fragmented Farms comprising of lots from Block S and other Blocks	51
4.4c	Fragmented farms comprising of lots from Block S and lots outside Sawah Sempadan	52
5.1	Types of titles of Block S	62
6.1	Types of operations and rents systems under single ownership	65
6.2	Types of operation and rents systems under subdivided form of ownership	72
7.1	Output and production of Padi of Block S	76
7.2	Six classifications of padi output and production .	77
7.3	Varieties of lowest output	79
7.4	Output according to productivity of lots in Block .	81
7.5	Output and productivity under Single ownership. . .	86
7.6	Output of padi under owner/operator category . . .	88
7.7	Output of padi under owner/tenant operator	90
7.8	Output of padi under owner/tenant operator according to classes	92
7.9	Output and productivity of lots under 2 owners/2 operators	93
7.10	Output and productivity of lots under 2 owners/2 operators according to classes	94
7.11	Output and productivity of the remaining three forms of operation under subdivided form of ownership . . .	96
7.12	Padi output and Productivity by the various forms of operations in Section A	97

Table		Page
7.13	Padi output and productivity by the various forms of operations in Section B	99
7.14	Padi output and productivity by the various forms of operations in Section C	101
7.15	Padi output and productivity by the various forms of operations in Section D	103
7.16	Output of Padi of the Four Sections	104
8.1	Lots of Block affected by Pests and Diseases . . .	110
8.2	Lots and farms in Upper Section affected by Pests and Diseases	114
8.3	Lots and farms of Middle Section affected by Pests and Diseases	115
8.4	Lots and Farms of Lower Section affected by Pests and Diseases	117
9.1	Phasing and Quantity of Water Supply of Block S. .	121
9.2	Water Supply by Sections of Block	124
9.3	Water Supply of Farms by Sections	126
10.1	Other Crops by Rows of Block	129
10.2	Other Crops by Farms	133

LIST OF MAPS

Maps	Page
I. Map of Savah Sempadan	5
II. Dwellings and cultivation Map of Block 3	6
III. Holdings Map of Block 3	11 (i)
IV. Farms Map of Block 3	11 (ii)

LIST OF PHOTOGRAPHS

Photograph		Page
1.	A Seasonal Dwelling	8
2.	The author is seen on his bicycle in front of Block S	8
3.	A Dwelling of an owner/operator	9
4.	Farmers preparing the field to plant maize .. .	9
5.	The author is interviewing a farmer (owner/operator) on his lot	10
6.	The author is seen standing in front of a maize plot	10

LIST OF GRAPHS

Graph		Page
1.	Percentage Distribution of holdings and farms by Sizes	29
2.	Distribution of holdings and farms	36
3.	Padi output of the flock	82
4.	Padi Output under owner/operator category	89
5.	Padi Output by owner/tenant operator	91
6.	Padi Output by two owners/two operators	95

LIST OF FIGURES

Figure	Page
1. Position of Block S	4
2. Lots not Fragmented	39
3. Fragmentation of Holding No. 21	39
4. Fragmentation of Holding No. 31	40
5. Fragmentation of Holding No. 34	40
6. Fragmentation of Holding No. 46	40
7. Fragmentation of Holding No. 51	41
8. Fragmentation of Holding No. 54	41
9. Fragmentation of Holding No. 82	41
10. Fragmentation of Farm No. 47	42
11. Fragmentation of Farm No. 62	43
12. Subdivision through inheritance	57
13. Payment of kind in advance	67
14. Output and Productivity by Location of Block	98
15. Effects of pests and diseases by Sections	112
16. Water Supply by Sections and according to Farms	125

EXTRACT OF TABLES

Extract of Tables		Page
1.	Group with yield more than 10,000 gantangs . . .	76
2.	Varieties with yield between 1,000-4,050 gantangs	79
3.	Varieties with yield less than 1,000 gantangs . .	80
4.	Classes with yields more than 10,000 gantangs . .	84
5.	Classes with yields less than 5,000 gantangs . .	85

LIST OF ILLUSTRATIONS

Illustration	Page
1. Subdivision due to purchase of lot	58
2. Subdivision due joint-purchase	59
3. Subdivision due to purchase from present owner . . .	60
4a. Cash Rent in advance	67
4b. Cash Rent - Payable often harvest	68
5. 'Bagi Dua' - Rent System	69
6. Brother owner/brother operator	70
7. Father owner/son operator	70
8. Where owner and operator are friends	70
9. Two sons/one non-owner operator	71
10. Two owners/two non-owners operators	73