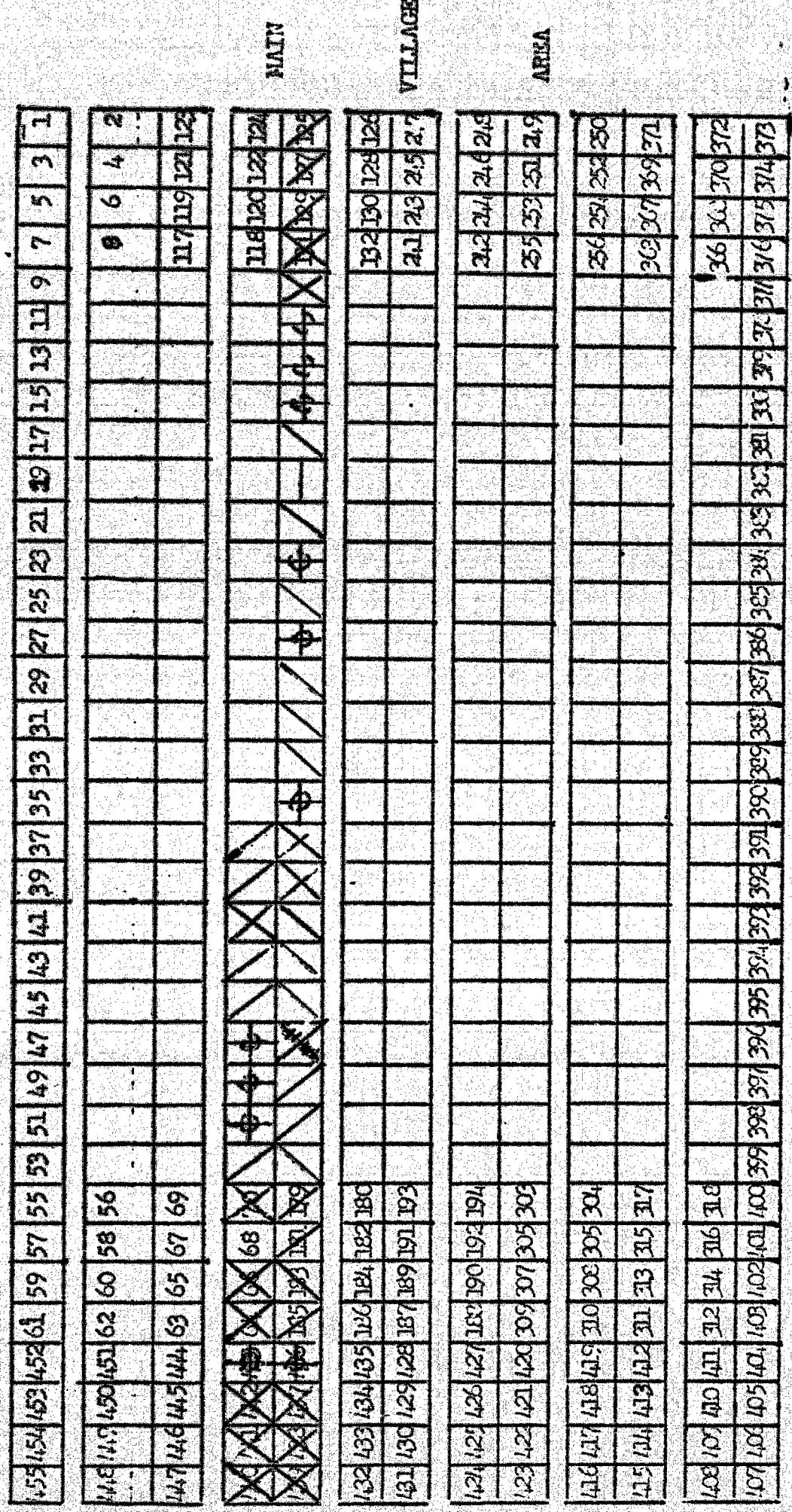


APPENDIX I(a)

SKETCH MAP OF SITE A
(Approx. 91 acres)

1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61
2	4	6	8																							56	58	60	62	
123	121	119	117																							69	67	65	63	
124	122	120	118																							70	68	66	64	
125	127	129	131																							179	181	183	185	
126	128	130	132																							180	182	184	186	
247	245	243	241																							193	191	189	187	
248	246	244	242	240	238	236	234	232	230	228	226	224	222	220	218	216	214	212	210	208	206	204	202	200	196	194	192	190	188	

SKETCH MAP OF SITE B (Approx. 180.4 acres)



SKETCH MAP OF SITE C (Approx. 124.8 acres)

1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45
2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46

8	38	86	84																			
91	93	95	97																			

92	94	96	98																			
177	175	173	171																			

178	176	174	172																			
178	180	182	184																			

179	181	183	185																			
264	262	260	258																			

265	263	261	259																			
266	268	270	272																			

267	269	271	273																			
331	330	329	328																			

TOWN

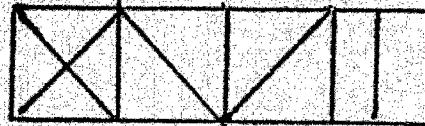
AREA

HOKKIEN

HAKKA

CANTON

OTTERS

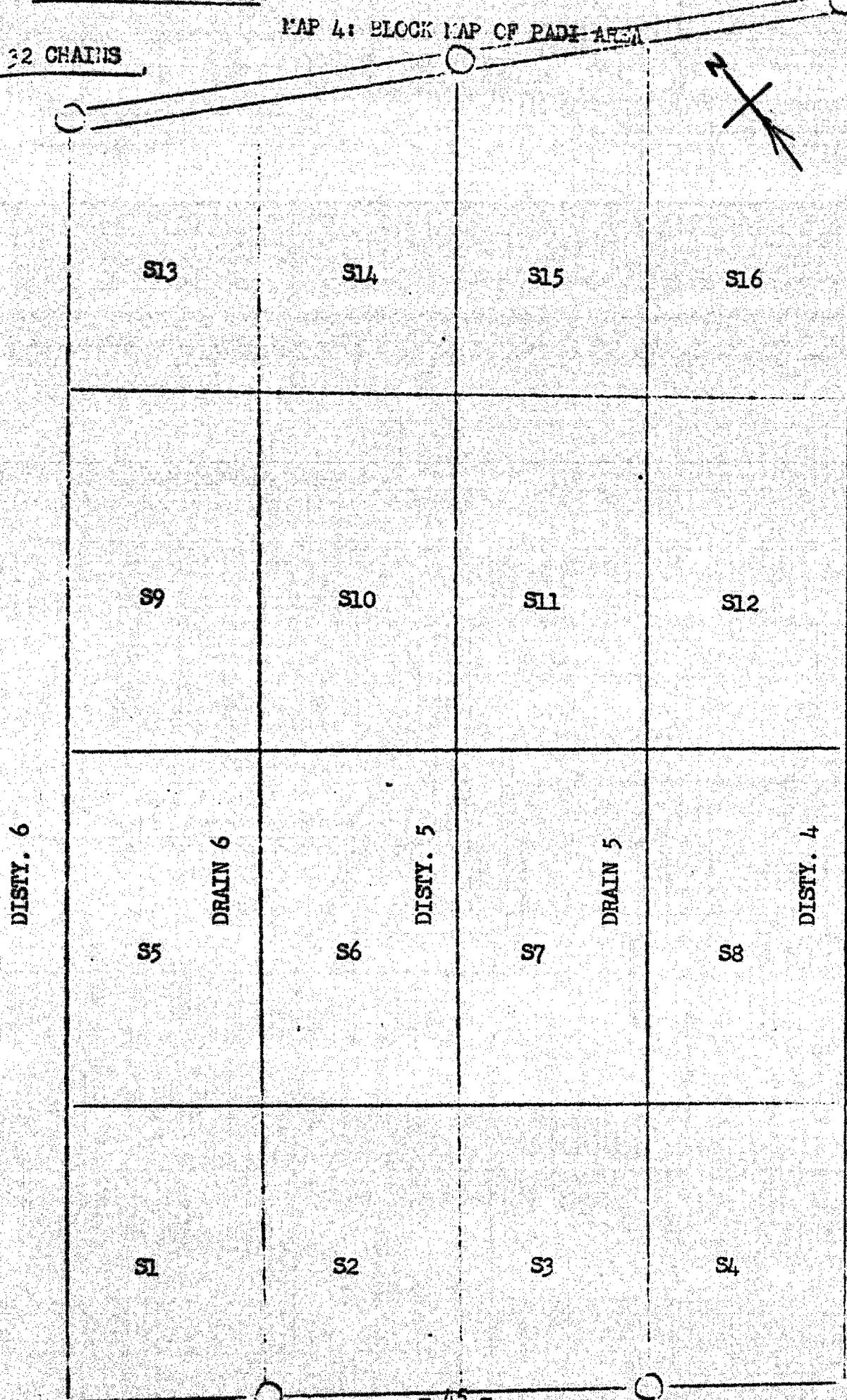


APPENDIX I(d)

DEPT. OF ECONOMICS.

SEPT. 62

MAP 4: BLOCK MAP OF PADDY AREA

32 CHAINS

APPENDIX II(a)

Supplementary Table 1: Showing detail breakdown of dialect groups in category termed "Others" - Households and Population in both Sites.

LAYOUT	DIALECT GROUPS														
	HENAN			KWONGSI			KOWCHOW			HAINAN			ALL GROUPS		
	HOUSE HLDs	POP. M	POP. F	HOUSE HLDs	POP. M	POP. F	HOUSE HLDs	POP. M	POP. F	HOUSE HLDs	POP. M	POP. F	HOUSE HLDs	POP. M	POP. F
SITE B	1	7	2	-	-	-	1	3	4	-	-	-	2	10	6
SITE C	1	3	1	1	6	-	-	-	-	1	2	-	3	11	1
TOTAL	2	10	3	1	6	-	1	3	4	1	2	-	5*	21	7

M = Male, F = Female

* Checking with Table 2.1, it is found that the two totals do not tally. This is because the lady of the Kwongsi house is a Hakka and this particular household is, therefore, under the category of "Fixed Households" in Table 2.1.

APPENDIX II(b)

Supplementary Table 2: Showing detail breakdown of occupation group designated as "Traders" in both Sites.

TRADES	SITE B		SITE C		ALL SITES	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PIG REARER	4	-	-	2	4	2
SHOP OWNER/ASST.*	2	-	4	-	6	-
BAKER	-	-	2	-	2	-
FRUIT SELLER	1	1	-	-	1	1
PORK SELLER	1	-	-	-	1	-
FISHERMAN	2	-	-	-	2	-
TOTAL	10	1	6	2	16	3

* Two are shop-owners

APPENDIX II(C)

Supplementary Table 3: Showing detail breakdown of occupation group termed "Miscellaneous Services" in both Sites.

MISCELLANEOUS SERVICES	SITE B		SITE C		ALL SITES	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TAILOR/SEA-STRESS	1	2	1	-	2	2
KUBUTA OPERATOR	1	-	-	-	1	-
TEMPLE-CARETAKER	-	1	1	-	1	-
GOLDSMITH	1	-	-	-	1	-
RADIC REPAIRER	-	-	1	-	1	-
MECHANIC	2	-	-	-	2	-
CONTRACTOR	1	-	-	-	1	-
TRISHAW PEDDLAR	-	-	1	-	-	1
TOTAL	6	3	5	-	11	3

APPENDIX III

QUESTIONNAIRE

TANJUNG KARANG FARM SURVEY - PHASE II (SAMPLE SURVEY)

TKFS/563(i)

May '63

Interviewer	Informant	Time	Date
-------------	-----------	------	------

1. Farm house address:

Kampong Site/Block No..... Lot No..... House No.....

2. Do you live in the house (above) throughout the year? Yes/No. If not which months do you live elsewhere

Why Where

Fill in: 3 Household (ii), 4, 5, 6 Land (iii), 7 Rents, 8, 9 Labour (iv).

10. Do you walk or cycle to work in the sawah lots?

11. Before you became a padi farmer in this area, where were you working?

.....

12. What was your occupation?

13. Fill in Production & Disposal of Produce (Form v).

14. Fill in: Rice Consumption Form (vi).

15. Are you a member of:

a. Co-operative Society? Yes/No. Name of Society and place
Position

b. Kampong, Town, Local or District Committee? Yes/No. Name of Committee and Place Position

c. Other social, religious, cultural organization etc. Yes/No.
Name of Organization Position

16. Cropping pattern for operated land: April 1, 1962 to March 31, 1963.

Contd/...

Note: Local names of crops should be entered in Boxes.

17. Padi (main) transplanting date
 18. If any, Name of manure/fertilizer applied to in padi crop
 19. Did you do weeding and hoeing in main padi crop? Yes/No.
 20. If yes, how many weedings/hoeings

3. Farm Household (All members living in the farm house)

No. (1)	Name (2)	Age (3)	Sex (4)	Race/ Dialect Group (5)	Relation to Head (6)	Marital Status (7)	Birth Place (8)	Spoken Languages/ Dialects (9)	Literacy JRCF Read (10)	"rite (11)	Occup. (12)	Remarks (13)
Head 1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

FOR ALL LAND ANYWHERE

4. Land operated and owned by farmer and/or members of family household

Map No.	Item No.	Class of Title	Issue/ Transfer Date	Owner's name	Lot No.	Block/ Kampong No.	Area				Crops	Name (s) from operator	Loc. of operator	Remarks	
							A	R	P	Uc A					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

5. Land operated but not owned by farmer and/or members of family household

6. Land owned by farmers or members of farm household but not operated by farmers or members of n-hold

A vertical grid consisting of 15 horizontal rows and 4 vertical columns. The first column is defined by a dashed line on its left side, while the other three columns are defined by solid vertical lines. The grid is composed of thin black lines on a white background.

A vertical grid consisting of 12 horizontal rows and 4 vertical columns. The first column is defined by a dashed line on its left side, while the other three columns are defined by solid vertical lines. The grid is composed of thin black lines on a white background.

Name of Oper. = Name of operators, Dis. from F.F. = Distance from house, Loc. of S.A. = Location of Sawah Area

RENTS FOR ALL PIECES LISTED IN Q5 & Q6

Renta

Section 5 Renting in item	Period of Lease (1)	Total Length of Tenancy (2)	Rent Last Season (3)	Kind (4)	Share (5)	CW Name (6)	CW Address (7)	CW Occup. (8)
Question 6 Renting out item						CP Name	CP Address	

3. Labour

If you hired labour for any farm operations, state for each person employed:

S.N. (lot/ field) (1)	Area (2)	Operations (3)	Crop (4)	Date (5)	Work Days No. (6)	TOTAL WAGES PAID		Race of Operator (9)
						Cash (7)	Kind (8)	

9a. Did you exchange labour for field work? Yes/No

9b. For which crop and field operation did you use exchange labour?

.....

4. Production and Disposal of Farm Produce:

LETTER OF INTRODUCTION IN CHINESE

馬大經濟系為丹絨加弄社會經濟研究
事務局告白書。

此為第三次本大學經濟系學生造訪丹絨加弄區了解
其農村經濟。

由三月七日至十八日，廿一名學生包括五名女士，將造訪
該莊訪問當地農業人士。馬大經濟系主任翁世阿茲教授
之三名講師暨畢業生將負責此項研究工作。

去年一批卅名學生訪問過約二千名農民。我們研究的
對象：包括米、穀和其他農產物，產銷情形，肥料的應用，
土地支配和家庭概況等。

今年，我們將研究農村人民生活方式，並希望搜集有
關農民日暮工作和米糧的消費量等情報。

此項研究的目的，是要使學生們得到真正的鄉村經
驗，並且收集有關提高農民生活水準的材料。

本大學所搜集之情報將嚴守秘密，其報告書中將不提及任
何人士的姓名。

聯邦政府，特別是農業部以及瓜雪縣府，都對這研究表
示歡迎，所有研究的費用，概由大學負擔。

大學生與學生們誠懇的希望，當地人士合作，尽量提供
本大學所欲搜集之材料，我們歡迎任何人士提供寶貴的意見。

此項意見，可由當地村長傳達，或作其他安排。同時，勞森
儀講師將於日間駐處耕莊，阿雅圭博士及周仄摩沙尼將駐
丹絨加弄，他們均寄宿於瓜雪政府旅店，電話為瓜雪五十四號。

本大學經濟系將無任歡迎與當地人士討論任何有關
該研究之事宜。

NOTES FOR FIELD WORKERS

Instructions regarding interview technique are distributed separately. These notes relate to the six pages of questionnaires to be used during the survey period 6th to 17th May, 1963.

TKFS/563 (i)

First fill in your name above "Interviewer" the person who provides you with the information above, "Informant" and the time the interview begins above, "Time" and the day above, "Date". If there are different informants for the different pages then note this at the top of each page.

Q.1. Identify the farm house by the kampong or block number in Sawah Sempadan and site reference in Sekinchan.

Q.2. The aim is to find out whether the farmer lives part of the year elsewhere and if this mobility is due to seasonality of farming.

Q.3.- Q.9. Immediately after Q.1 and Q.2 interviewers will commence Form TKFS/563 (ii) which deals with the farm household and then go on to TKFS/563 (iii) which deals with matters of land ownership and operation. Interviewers in Sekinchan will then go back to Q.10. Interviewers in Sawah Sempadan will complete Q.7, 8 and 9 on TKFS/563 (iv) before going back to Q.10.

Q.3. Farm Household. This is to cover all persons living in the farm house. It therefore includes people who may not be related to the head of the household. Try to put the name of the head of the household under Col. (1) and then list other members of the household if possible in descending age order. Do not worry too much about the order. The important thing is to list everybody who normally lives and eats in the farm house.

Col. (5) Race/Dialect Group, will include Indian, Malay and for Chinese: Hokkien, Cantonese, etc. For all Chinese persons it is important to record the dialect group to which they belong.

Col. (6) Relationship to Head of Household. This should be recorded as follows: - Bro.in-L, Sis-in-L or father's brother's son (do not write cousin), sister's son (do not write nephew).

Col. (7) Marital Status. Is single, married, widow.

Col. (8) Birth Place. Try to record the District and State, if this is possible.

Col. (9) Spoken Languages/Dialects. For Chinese list all dialects that the person can speak.

Cols. (10 & 11) J = Jawi, R = Rumi, C = Chinese characters, E = English. You may show the person the information sheet in Chinese to test whether he can read. Otherwise just ask, "Can you read a newspaper and can you write a letter to a friend?"

Col. (12) Occupation. This is present occupation and if the person says he does various jobs, list all occupations.

TKFS/563 (iii) - LAND OWNERSHIP & OPERATION

Be very clear in your mind as to the difference between ownership and operation of land. This questionnaire refers to all land owned and/or operated anywhere in the country.

Q.4. This is the land that the farmer owns and operates. Note that the ownership and/or operation may be also by members of the farm household as listed in TKFS/563 (ii).

Col.(1): is for checking on the map after you return the questionnaire to HQ.

Col.(2): list all items in serial order.

Col.(3): TCL, AA or EMR or any other.

Col.(4) refers to the actual date when the title was issued or transferred to the present owner.

Col.(5): Try to establish clearly the name of the owner of the title and do not confuse it with the name of the informant if this is different.

Details for Cols.(6), (7) and (8), should be obtained from the document of title or rent receipt. If you cannot see it then just put the acreage under Col.(8).

Leave Col.(9).

Cols.(10), (11) and (12) are for the crops. If there are several crops, indicate area or proportion of each.

Col.(13) is very important. Try to establish the name of the actual operator who works on the land.

Col.(14): this is more important in Sawah Sempadan. If you have difficulty in getting precise information from the farmer then this may be established by measuring on the map at HQ.

Col.(15): refers to the land outside the rice area.

Q.5. This is the land that the farmer does not own but has rented or worked on and is owned by someone else. Normally you will expect him to pay some rent.

Q.6. This is the land the farmer owns but does not work himself. You expect him to receive some rent. There may be some reluctance to give details about Q.6 but try to establish if there is a piece of land in this category and its area and location. If you cannot get other details, this cannot be helped.

TKFS/563 (iv)

Q.7. Lands. This relate to the pieces of land described in Q.5. and Q.6 above.

Under the heading "(Renting in)" list the item number referred to in Col.(2) of TKFS/563 (iii) and likewise for Q.6.

Col.(1): the period of lease refers to the length of time for which the present lease lasts. It may be one season, one year or a longer period.

Col.(2): The question would be, "How long have you rented this land for?" This implies renewals of the lease.

Cols.(3), (4) and (5) refer to the type of rent and amount of rent. Cash rent is recorded in Col.(3). If the rent is paid in kind, then the quantity should be specified in Col.(4). Col.(5) should have the proportion as well as the quantity stated.

Col.(6), (7) and (8) describe the name, address and occupation of the owner. Remember this is land rented from another person. If the tenant you are interviewing does not know the owner's address or name try to get the occupation. For land rented out the operator's name will already be referred to under Col.(13) of TKFS/563 (iii).

Q.8. Labour. Some farmers may employ labour for specific farm operations like preparation of land or transplanting. Details are required for each separate piece of land and the pieces should be cross referred to Q.4 and Q.5 of TKFS/563 (iii). These item cross references should be put under Col.(1). The area should be in the actual area involved in the labour operation.

Col.(3) describes the actual operation e.g. transplanting.

Col.(4): the type of crop.

Col.(5): the date of the work.

Col.(6): the number of days for which the worker or workers were employed.

Cols.(7) & (8) describe the total wages paid for the particular number of working days.

Col.(9) is just a cross check on the race of the operator. In this case, Malay, Chinese or Indian would be adequate.

Q.9a. Deals with exchange labour and Q.9b is a cross reference to items listed in TKFS/563 (iii), Q.4 or Q.5.

TKFS/563 (v) - PRODUCTION AND DISPCSA OF FARM PRODUCE

This questionnaire will only apply in the Sawah Sempadan area. This is an attempt to establish the total area that was harvested for a certain crop. Total quantity that was harvested and how this product was disposed of.

Col.(1) is a cross check to Q.4 and Q.5 of TKFS/563 (iii). Incidentally, each row should refer to one piece of land and if there are several crops on the piece of land there should be several rows for the same piece of land.

Col.(2): specify crop.

Col.(3): try to establish the exact area that was harvested. This may be less than the area of the piece of land.

Col.(4): the unit for quantity harvested may be described in gantangs or katties or "tins" or some other unit. List it and if necessary give some explanation below.

Col.(5): quantity implies the number of units in Col.(4).

Col.(6): number of units consumed by family.

Col.(7): number of units paid as wages.

Col.(8): amount at time of interview in stock.

Col.(9): any other means of disposing, e.g. gifts or tithe payments.

Cols.(10, (11) and (12) refer to the output that is sold.

Col.(10): number of units.

Col.(11): price per unit.

Col.(12): total receipts. It should be the net figure, that is, after deducting any costs involved in selling the output. Incidentally, the units of measurement for sales may be different from the units of measurement used for measuring the quantity harvested. If so, note this below.

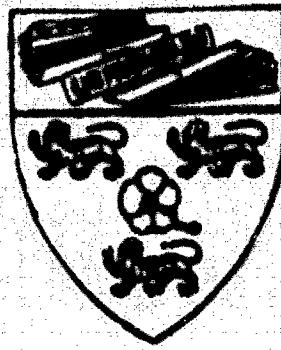
Col.(13) refers to the method of payment by the buyer to the farmer. Did he pay spot cash or did he buy the crop some time before harvest or does the farmer give the buyer credit. If "before" or "after" are used, then state period in relation to harvest date.

Cols.(14) & (15): try to get the buyers name and/or address.

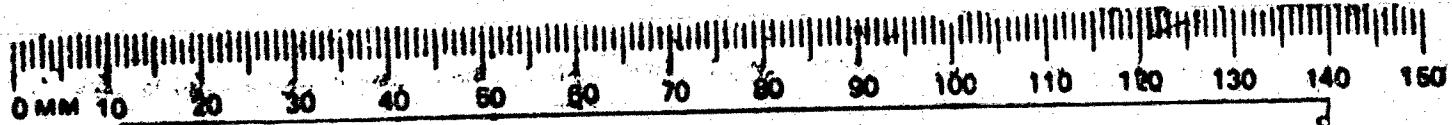
TKFS/563 (vi) - RICE CONSUMPTION

This form is an attempt to find out something about rice consumption habits among farmers and will be used on D + 2 day.

- Q.1. Refer back to the household in TKFS/563 (ii) and fix the number of meals.
- ..2. Establishes members of the family who eat out.
- ..3. Establishes outside persons who take their meals regularly with the family but who do not live in the house.
- ..4. Ask to see the type of measure used. Differentiate between cigarette tins, milk tins or other tins. Some people may use coconut shells. Measure the volume of the sukat by asking the housewife to take a normal quantity in her sukat, then pour it into your plastic measuring cup. Knock the plastic cup several times to make the volume of rice settle evenly and then read the volume.
- Q.5. Ask the housewife the number of measures that are taken for each meal. First means the first meal in the day, etc. If she says the number of measures vary then try to find out how and why.
- Q.6a and 6b. relate to variations in the longer period. Is there seasonality in the consumption pattern?
- Q.7. Deals with the type of rice that is eaten. It may be that some people consume several types. If so note this in the blank space beside (a), (b), (c) - (f). Q.7(a) is specifically padi produced from the land operated by the farmer Q.7b relates to other Tanjong Karang rice which would be purchased or perhaps received as a gift. This leads to Q.7(c). Q.7(d) relates to imported rice. Q.7(e) will require local pricing from shop keepers as to the different qualities or grades expressed in katis and gantang. In any case Q.7(f) will tie the quality if price is fixed. The price should be the price during April.
- Q.9. Is an attempt to establish if other padi or rice sold and what proportion of total production has been sold. This should relate to the last season.
- Q.10. Deals with gifts.
- Q.11. Is a question on processing. If you cannot get the name of the mill then establish its location.



TAMAT



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