SEA Fertility Transition Project Codebook

Indonesia

Data Documentation and Codebooks of the Merged (Pooled) Files
of the 1970 and 1980 Census Microdata Samples

The Merged 1971 and 1980 file: Geographical Comparability, Construction of Contextual Measures, Comparability of Variables, and Computer Programs: Indonesia

A. Geographical Comparability -
A total of 27 regions (21 Kabupatens and 6 Kotamadyas or Kodyas), each of which has less than 100 unweighted observations of women aged 15-49, were combined with other geographically contiguous Kabupatens.

1). Kodya Sabang (187) combined with Kodya Banda Aceh (186) ;
2). Kodya Tanjung Balai (251) combined with Asahan (242);
3). Kodya Sibolga (254) combined with Tapanuli Tengah (244);
4). Pesisir Selatan (193) combined with Solok (19~4);
5). Kodya Sawah Lunto (198) combined with Sawah Lunto/Sijunjung (195);
6). Kampar (168) combined with Indragiri Ilir (169);
7). Lahat (152) combined with Musi Rawas (153);
8). Bengkulu Utara (174) combined with Rejanglebong (176);
9). Kodya Magelang (059) combined with Magelang (034);
10 and 11). Timor Tengah Selatan (234) and Belu (236) combined
with Timor Tengah Utara (235);
12 and 13). Sanggau (258) combined with Sintang (259) and Kapuas Hulu (260);
14, 15 , 16, and 17) . Barito Utara (263) Barito Selatan (264) Barito Timur (269) , Murung
Raya (270) , combined with Kayayan Hulu (267) ;
18). Kota Waringin Barat (265) combined with Kota Waringin Timur (266);
19). Katingan (268) combined with Kapuas (262);
20). Bulongan (212) combined with Pasir (213);
21). Gorontalo (223) combined with Kodya Gorontalo (225);
22). Kodya Menado (224) combined with Minahasa (221);
23). Bual--Toli--toli (216) combined with Donggala (217);
24). Poso (218) combined with Luwuk/Banggai (219);
25). Maluku Utara (275) combined with Maluka Tenggara (273);
26 and 27). Teluk Cendrawsih (278), Merauke (283) and
Jayapura (277) combined.

Fourteen Kabupatens/Kodyas were not included in the 1971 the sample weights for contiguous Kabupatens/Kodyas had been adjusted by BPS to account for the population in the missing Kabupatens/Kodyas. These missing Kabupatens/Kodyas are:

1). Aceh Tenggara (185): inflation factor for Aceh Selatan (184) incorporates population;
2). Kodya Payakumbuh (190): inflation factor for Limapuluh Kota (190) incorporates population;
3). Kodya Solok (191): inflation factor for Tanah Datar (191) incorporates population;
4). Manggarai (228): inflation factor for Ngada (229) incorporates population;
5 and 6). Kutai (210) and Berau (211): inflaction factor for Bulungan (212) incorporates population; (Kabupaten 212 was finally combined with Kabupaten Pasir (213);
7). Kodya Balikpapan (214): inflation fhctor for Samarinda (215)
incorporated population;
8). Halmahera Tengah (274): inflation factor for Maluku Tenggara
(273) incorporated population;

9) . 10, 11, 12, 13, and 14) . Yapen Waropen (279) , Manokwari (280) , Sorong (281) , Fak-Fak (282) , Paniai/Nabire (284) , and Peg. Jayawijaya (285): inflaction factor for Jayapura (277) incorporates population.

There were a total of 246 Kabupatens left after combining. The 1971 Kabupaten combinations have been used for both 1971 and 1980. With the combination of Kabupatens in 1971, 1980 geographical boundaries, (through combining), had to be redifined in order to make them equivalent with 1971 geographical classification. Bundaries of Kabupatens did not change between 1971 and 1980.

B. Construction of Contextual Measures
i) Women's Status
        The following indicators of women's status were constructed
for both 1971 and 1980:

1. El: % women 15-49 with at least some education.
2. E2: % women 15-49 with education greater than primary.
3. E3: % women 15-34 with at least some education.
4. E4: % women 15-34 with education greater than primary.
5. W1: % women 15-49 working in Non-Agricultural Sectors.
6. W2: % women 15-49 working in Non-Agricultural Sectors and not working as unpaid family workers in Sales or Service Sectors.
7. W3: % women 15-49 working in Non-Agricultural Sectors and not working in sales or service sectors.
8. W4: working women 15-49 working in Non-Agricultural Sectors.
9. W5: working women 15-49 working in Non-Agricultural Sectors and not working as unpaid family workers in Sales or service Sectors.
10. W6: % working women 15-49 working in Non-Agricultural Sectors and not working in Sales or Service Sectors.
11. W7: % women 15-34 working in Non-Agricultural Sectors.
12. W8: % women 15-34 working in Non-Agricultural Sectors and not working as unpaid family workers in Sales or Service Sectors.
13. W9: % women 15-34 working in Non-Agricultural Sectors and not working in Sales or Service Sectors.
14. W10: % working women 15-34 working in Non-Agricultural Sectors.
15. Wil: % working women 15-34 working in Non-Agricultural Sectors and not working as unpaid family workers in Sales or Service Sectors.
16. W12: % working women 15-34 working in Non-Agricultural Sectors and not working in Sales or Service Sectors.
17. AGEl: mean husband wife age difference (women aged 15-49).
18. AGE3: proportion of couples where wife's age is greater than husbands' age (women aged 15-49).
19. AGE2: mean husband wife age difference (women aged 15-34).
20. AGE4: proportion of couples where wife's age is greater than husbands' age (women aged 15-34).
21. ED1: proportion of couples where wife's education is greater than husband's education (for women aged 15-49).
22. ED2: proportion of couples where wife's education is greater than husband's education (for women aged 15-34).

ii) Demographic variables
a) Marriage
1. MARI: proportion of women aged 15-24 who are single.
2. MAR2: proportion of women aged 25-29 who are single.
3. MAR3: proportion of women aged 15-29 who are single.

b) Infant Mortality
Several different sources were used in an attempt to obtain reliable estimates of infant mortality at both provincial and Kabupatens levels.
--- Brass estimates of infant mortality.
Brass estimate of infant mortality, described in U.N. Manual X (1983) was used to estimate infant mortality at the provincial level for both 1971 and 1980. Estimates at the Kabupaten level were undertaken only for 1980 since the 1971 data set does not contain sufficient observations to obtain reliable estimates at this level. (Our criteria is that at least 100 cases are needed for proposed age group, eg. age 20-24 or age 25-29, at the Kabupaten level).
Most of the estimates of infant mortality for 1971 do not satisfactorily match the published figures by Indonesia Statistics Bureau (1983) possibly because of the smaller sample we sue. However, the estimates for 1980 match the published figures quite well at the province level. The published infant mortality-for 1971 was chosen as the infant mortality variable in the merged file. For 1980 the average value of estimates based on age group 2 (women aged 20-24) and age group 3 (women aged 25-29) at the province level, is used in the merged file. The estimates of infant mortality at the Kabupaten level is also used as one indicator of infant mortality, while a modified estimate is also included in the merged file. The principle of the modification of the Brass estimates of infant mortality at the Kabupaten level is: within a province, if the estimated infant mortality of a Kabupaten is beyond the upper bound of the confidence interval, then one standard deviation is subtracted from the original estimated value; if under the lower bound, then one standard deviation is added.

c) Sex-ratio
The proportion of males to total population (males/pop) in the age group 15-34 was chosen as the measure of the sex-ratio. This measure can be converted to a traditional sex-ratio (the number of males per 100 females) in the following waythe traditional sex-ratio-(male/pop)/(I-(males/pop)).

iii) Value of Children
1. CHSCH1: proportion of children aged 7-15 attending school.
2. CHSCH2: proportion of children aged 13-18 attending school.
3. CHWORK1: proportion of children aged 10-14 in labor force. 4. CHWORK2: proportion of children aged 10-18 in labor force.

iv) Family Planning
The family planning variables were obtained from Family Planning Coordination Board. For each Kabupaten in 1980 the following variables were used:
1. CLINIC: number of family planning clinics in Kabupaten/Kodya.
2. WORKER: number of personnel/staff.
3. SESSION: number of sessions/month.
4. VISIT: number of visits per month.

The measures were available only for 1980. Since all family planning indicators were measured as absolute values, the measurements for the combined Kabupatens were simply a summation of all values of Kabupatens combined.

The corresponding variables in 1971 were unknown (coded as zero in the merged file).

All contextual variables created from the 1971 data have no values for Kodya Palangka Raya 271 because of no cases for the Kabupaten in the standard file. The contextual variables for this Kotamadya were duplicated from the contiguous Kabupaten of Kapuas (262).

C. Construction of Merged file
i) Comparability of individual level variables between 1970 and 1980.

Some recoding, manipulation, and redefinition have been done to match variables from the 1971 and 1980 censuses in such a way that they would be comparable across the censuses.

--- To simplify, all codings of variables, representing provinces and Kabupatens in 1980 (province, Kabupatens, place of birth, and previous residence) were recoded as the same as those in 1971, in which all codings are one level codings.

--- The definition of employment in 1971 was 2 days work in the last week, while it was 1 hour work in 1980. It was decided to manipulate the measurement of this variable in 1980 on the basis of the 1971's definition.

--- Some variables in 1980, such as work status and education, were recoded on the basis of 1971's codes.

--- The following variables in 1971 were recoded on the base of 1980 codes: Relation to the head of household, Religion, Ability to read and write, and attending school

--- A variable migration was created and coded as 97 in previous residence if migration (between provinces) did not occur.

--- To leave flexibility of industry remain their original

--- Some individual variables selected in 1980 data, such as age at first marriage, number of times married, marriage duration, and contraceptive use, were not available in 1971 data, therefore they were coded as 99 in year 1971 data.

ii) Sample Sizes and Weights

The entire of cases from the 1971 standard file, with 139592 unweighted cases, were included in the merged file. 1980 data were sampled before creation of the merged file, 316315 unweighted cases were randomly drawn from the three 1980 tapes and included in the merged file, which accounts for 18 percent of the total number of cases in the 1980 standard files.

The functions of individual weights in the 1971 and 1980 were to inflate the sample to the total population and to correct for compositional differences between the sample and full count (see code books for a more complete discussion). As analysis conducted on the merged file is not intended to be used to provide estimates of the total population, only the second aspect of the functions of the weight (ensuring representativeness) is needed. So, the weights for each census year was standardized by dividing the mean of the individual weights respectively, therefore, the weights observations within years but the means wights for 1971 and 1980 will both be close to 1.

iii) Selection of Contextual Measures

The following list of contextual variables were chosen to be included in the merged file.

1. E471: women 15-34 with education greater than primary in 1971.
2. W771: women 15-34 working in Non-Agricultural Sectors in 1971.
3. MAR171: proportion of women aged 15-24 who are single in 1971.
4. MAR371: proportion of women aged 15-29 who are single in 1971.
5. CHSCH171: proportion of children aged 7-15 attending school in 1971.
6. CHSCH271: proportion of children aged 13-18 attending school in 1971.
7. CHWORK171: proportion of children aged 10-14 in labor force in 1971.
8. E480: % women 15-34 with education greater than primary in 1980.
9. W780: % women 15-34 working in Non-Agricultural Sectors in 1980.
10. MAR180: proportion of women aged 15-24 who are single in 1980.
11. MAR380: proportion of women aged 15-29 who are single in 1980.
12. CHSCH180: proportion of children aged 7-15 attending school in 1980.
13. CHSCH280: proportion of children aged 13-18 attending school in 1980.
14. CHWORK180: proportion of children aged 10-14 in labor force in 1980.
15. INM80: estimated 1980 infant mortality at Kabupaten level.
16. SDINM80: modified INM80.
17. CLINIC80: number of family planning clinics in Kabupaten/Kodya, 1980.
18. WORKER80: number of personnel/staff in the family planning clinics.
19. SESS1080: number of sessions per month.
20. VISIT80: number of visits per month.

The selected contextual variables, representing the measures of ecological structure in 1971 and 1980 respectively, were included in a SPSSX system file, named INCONTX SYS.

This file has been matched to the 1971 and 1980 microdata files.

A new variable, YEAR, coded as either 1971 or 1980, indentifies from which each observation was derived.

Variable YEAR and other two variables, INM71P (1971 infant mortality at province level estimated by Indonesia Statistics Bureau in 1983) and INM80P (our estimates of 1980 infant mortality at province level) were created or input in the process of matching contextual variables to the micro-data.

The tape information for creating contextual variables and for the merged file, the EXEC file, the SPSSX files of matching contextual variables and creating the merged file are provided in APPENDIX A.

D. Construction of the raw data (ASCII) file from the merged SPSSX system file.

In case of limitation of statistics package elsewhere, a raw data file was also created from the merged SPSSX system file. The program to transform the data and the location of all the variables (the same variables as in the merged SPSSX system file) are provided in APPENDIX D.

APPPENDIX A
Tape information on the merged file at University of Washington (Oct. 1988):
BIN NUMBER: BN0209
VOL ID: CH176

DSN: INMERG2
LRECL: 1024
BLKSIZE: 30720
RECFM: FB

The tape can be mounted with the command:
VMTAPE MOUNT BN0209 DSN INMERG2 (LAB BLP NOWAIT
(DSN INMERG2 is not necessary in Charles's account).

As the file is an SPSSX system file the only details needed in the EXEC file are:

FI INDATA TAPE1 SL1

Where the assumption is- the tape is mounted on the default drive (181) and the chosen designation for the data set (here the tape) is named as INDATA (the designation is arbitary).

The merged file was created from 13 tapes. Information on these tapes are:

1971:   BNO035, DSN ESASIA.PROG,
        LS1 (ORIGINAL FILE), BLKSIZE 32000 LRECL 80,
        LS2 (STANDARD FILE), BKLSIZE 32000 LRECL 200.

1980:   The standard tapes:
        BNO036, DSN SEASIA.TEM6, LRECL 200 BLKSIZE 32600;
        BN0037, DSN SEASIA.TEM4, LRECL 200 BLKSIZE 32600;
        BNO038, DSN SEASIA.TEM5, LRECL 200 BLKSIZE 32600.

        The original tapes:
        BN0023, DSN CH144, LRECL 129 BLKSIZE 32637;
        BNO040, DSN CH145, LRECL 129 BLKSIZE 32637;
        BNO026, DSN CH146, LRECL 129 BLKSIZE 32637;
        BNO070, DSN CH147, LRECL 129 BLKSIZE 32637;
        BNO075, DSN CH148, LRECL 129 BLKSIZE 32637;
        BNO082, DSN CH149, LRECL 129 BLKSIZE 32637;
        BNO086, DSN CH150, LRECL 129 BLKSIZE 32637;
        BN0093, DSN CH151, LRECL 129 BLKSIZE 32637.

Individual variables and most of the contextual variables were selected from the standard files (indicators of value of children and sex ratio were conducted from the original files). All contextual variables, (except YEAR, INM70P, and INM80P), are included in SPSSX system file INCONTEX SYS. This file has been
matched to the 1971 and 1980 micro-data file (from standard files) and the resulting matched files for 1971 and 1980 have been merged.
        The steps to run the program of matching contextual variable file to the micro-data files are shown below:
First: mount the tape (eg. BNO035 for 1971) by typing in CMS:
VMTAPE MOUNT BNO035 DSN SEASIA.PROG (LAB BLP NOWAIT

Secondly: run the EXEC file, named MATCH EXEC.
The MATCH EXEC file is similar to the following:
FI INDATA TAPI LS 2 (RECFM FB BLKSIZE 32000 LRECL 200

FI INDATAl DISK INCONTEX SYS FILE OUTDATA DISK MATCH71 SYS

Thirdly: run the match program: SPSSX MATCH71 (100K

Program to match contextual variables file to 1971 micro-data file (run on tape BNO035 LS2):

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DATA LIST FILE-INDATA/PROVIN 8-11 KABUP 12-15URBAN 24
     HSIZE 25-27 weight 28-32 AGE 33-34 RELHH 35-36 MARSTAT
37-38
     RELIGION 45-47 HILEVEL 51-52 LIT 59-59 SCATT 60-61 POB
64-67
PRESIDEN 72-75 CEB 98-99 CS 104-105 OCC 120-123 IND 124-127
WORK 128-129 WKSTAT 134-135 MATCH 140 HAGE 141-142
     HHILEVEL 143-144 HLIT 150-151 HSCATT 152-153 HOCC 154-157
     HIND 158-161 HWORK 162-163 HWKSTAT 168-169
     NKIDS 174 C1 TO C8 175-182 NUKIDS 183-184 UCl TO UC16
185-200
RECODE KABUP (187-186) (251-242) (254-244) (193-194) (198-195)
     (168-169) (152-153) (174-176) (059-034) (234,236-235)
     (258,259-260) (263,264,269,270-267) (265-266) (268-262)
(212-213) (223-225) (224-221) (216-217) (218-219) (275-273)
(278,283-277)
COMPUTE YEAR-1971
COMPUTE WT-WEIGHT/186.448
RECODE HILEVEL (1-0) (2-1) (3-2) (4-3). (5-4) (6-5) (7-6) (8-7)
(9-8)
RECODE HHILEVEL X1-0) (2-1) (3-2) (4-3) (5-4) (6-5) (7-6) (8-7)
(9-8)
RECODE RELHH (6,7-6) (8-7) (9-8) (10-9)
DO IF (RELIGION EQ 3 OR RELIGION EQ 4)
RECODE RELIGION (3,4-2)
ELSE
RECODE RELIGION (2-3) (5-4) (6-5) (7,8-6)
END IF RECODE LIT (3,4-2) (5-3)
RECODE HLIT (3,4-2) (5-3)
RECODE PRESIDEN (28-27) (99-97)
RECODE POB (28-27)
RECODE HAGE (99-SYSMIS)
RECODE HHILEVEL (99-SYSMIS)
RECODE HLIT (99-SYSMIS)
RECODE HSCATT (99-SYSMIS)
RECODE HOCC (9999-SYSMIS)
RECODE HIND (9999-SYSMIS)
RECODE HWORK (99-SYSMIS)
RECODE HEVERWK (99-SYSMIS)
RECODE HWKSTAT (99-SYSMIS)
COMPUTE INM71P-O
IF (PROVIN EQ 1) INM71P-0.141
IF (PROVIN EQ 2) INM71P-0.120
IF (PROVIN EQ 3) INK71P-0.151
IF (PROVIN EQ 4) INM71P-0.141
IF (PROVIN EQ 5) INM71P-0-155
IF (PROVIN EQ 6) INM71P-0.151
IF (PROVIN EQ 7) INM71P-0-166
IF (PROVIN EQ 8) INM71P-0.147
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IF (PROVIN EQ 9) INM71P-0.126
IF (PROVIN EQ 10) INM71P-0.165
IF (PROVIN EQ 11) INM71P-0.143
IF (PROVIN EQ 12) INM71P-0.098
IF (PROVIN EQ 13) INM71P-0.119
IF (PROVIN EQ 14) INM71P-0.127
IF (PROVIN EQ 15) INM71P-0.219
IF (PROVIN EQ 16) INM71P-0.151
IF (PROVIN EQ 17) INM71P-0.143
IF (PROVIN EQ 18) INM71P-0.128
IF (PROVIN EQ 19) INM71P-0.165
IF (PROVIN EQ 20) INM71P-0.151
IF (PROVIN EQ 21) INM71P-0.114
IF (PROVIN EQ 22) INM71P-0.146
IF (PROVIN EQ 23) INM71P-0.159
IF (PROVIN EQ 24) INM71P-0.191
IF (PROVIN EQ 25) INK71P-0.145
IF (PROVIN EQ 26) INM71P-0.113
compute inm8Op-O
IF (PROVIN EQ 1) INM80P-0.091
IF (PROVIN EQ 2) INM80P-0.089
IF (PROVIN EQ 3) INM80P-0.121
IF (PROVIN EQ 4) INM80P-0.113
IF (PROVIN EQ 5) INM80P-0.118
IF (PROVIN EQ 6) INM80P-0.118
IF (PROVIN EQ 7) INM80P-0.106
IF (PROVIN EQ 8) INM80P-0.097
IF (PROVIN EQ 9) INM80P-0.080
IF (PROVIN EQ 10) INM80P-0.129
IF (PROVIN EQ 11) INM80P-0.096
IF (PROVIN EQ 12) INM80P-0.062
IF (PROVIN EQ 13) INM80P-0.099
IF (PROVIN EQ 14) INM80P-0.088
IF (PROVIN EQ 15) INM80P-0.187
IF (PROVIN EQ 16) INM80P-0.124
IF (PROVIN EQ 17) INM80P-0.116
IF (PROVIN EQ 18) INM80P-0.100
IF (PROVIN EQ 19) INM80P-0.121
IF (PROVIN EQ 20) INM80P-0.099
IF (PROVIN EQ 21) INM80P-0.094
IF (PROVIN EQ 22) INM80P-0.128
IF (PROVIN EQ 23) INM80P-0.108
IF (PROVIN EQ 24) INM80P-0.114
IF (PROVIN EQ 25) INM80P-0.124
IF (PROVIN EQ 26) INM80P-0.106
COUNT OWN-Cl TO C8(1,2,3)
COMPUTE AGEMAR-99
COMPUTE TIMESMAR-99
COMPUTE MARDURY-99
COMPUTE MARDURM-99
COMPUTE EVEROSE-99
COMPUTE CURUSE-99
RECODE Cl C2 C3 C4 C5 C6 C7 C8 (9-SYSMIS)
RECODE UC1 UC2 UC3 UC4 UC5 UC6 UC7 UC8 (9-SYSMIS)
RECODE UC9 UC10 UCII UC12 UC13 UC14 UC15 UC16 (9-SYSMIS)
VALUE LABELS
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PROVIN 01 'D.I ACEH' 02 ' SUMATRA UTARA' 03 'SUMATRA BARAT'
14 'BALI' 15 'NUSA TENGGARA BARAT' 16 'NUSA TENGGARA TIMUR'
04 'Riau' 05 'Jambi' 06 'Sumatra Selatan' 07 'Bengkulu, 08
'Lampung'
09 IDKI JAKARTA' 10 'JAWA BARATI 11 IJAWA TENGAH1 12 'D.I.
JOGJAKARTA'
13 'Jawa Timurl 17 'Kalimantan Barat' 18 'Kalimantan
Tengah,
19 'KALIMANTAN SELATAN' 20 'KALIMANTAN TIMUR' 21 'SULAWESI
UTARA'
22 'Sulawesi Selatan' 23 'Sulawesi Selatan' 24 'Sulawesi
Tenggara'
25 'Maluku' 26 'Irian Jaya'
/KABUP 001 'K. Jakarta Pusat' 002 'K. Jakarta Selatan'
003 'K. Jakarta Barat' 004 'K. Jakarta Utara'
005 'K. Jakarta Timur' 006 'Pandeglang'
007 'Serang' 008 'Lebak' 009 'Krawang' 010 'Purwakarta'
0ll 'Bogor' 012 'Sukabumi' 013 'Cianjur' 014 'Bandung'
015 'Sumedang' 016 'Garut' 017 'Tasikmalaya' 018 'Cirebon'
019 'Kuningan' 020 'Indramayu' 021 'Majalengka' 022
'Subang'
023 'Tanggerang' 024 'Bekasi' 025 'Ciamis' 026 'K. Bogor'
027 'K. Sukabumi' 028 'K. Cirebon' 029 'K. Bandung'
030 'Banyumas' 031 'Purbolinggo' 032 'Cilacap'
033 'Banjarnegara' 034 'Magelang' 035 'Temanggung'
036 'Wonosobo' 037 'Purworejo' 038 'Kebumen'
039 'Pekalongan' ' 040 'Pemalang' 041 'Tegal'
042 'Brebes' 043 'Semarang' 044 'Kendal' 045 'Demak'
046 'Crobogan' 047 'Pati' 048 'Jepara' 049 'Rembang'
050 'BLORA' 051 'KUDUS' 052 'KLATEN' 053 'BOYOLALI'
054 'Sragen' 055 'Sukoharjo' 056 'Karanganyar' 057
'Wonogiri'
058 'BATANG' 059 'K. MAGELANG' 060 'K. PEKALONGAN'
061 'K. Tegall 062 'K. Semarang' 063 'K. Salatiga'
064 'K. Surakarta' 065 'Bantul' 066 'Sleman'
067 'Gunung Kidul' 068 'Kulon Progo' 069 'K. Yogyakarta'
070 'Cresik' 071 'Sidoarjo' 072 'Mojokerto' 073 'Jombang'
074 'Bojonegoro' 075 'Tuban' 076 'Lamongan' 077 'Madiun'
078 'Ngavi' 079 'Magetan' 080 'Ponorogo' 081 'Pacitan'
082 'Kediri' 083 'Nganjuk' 084 'Blitar' 085 'Trenggalek'
086 'Malang' 087 'Pasuruan' 088 'Probolinggo' 089
'Lumajang'
090 'Bondowoso' 091 'Situbondo' 092 'Jember' 093
'Banyuwangi'
094 'Pamekasan' 095 'Sampang' 096 'Sumenep' 097 'Bangkalan'
098 'Tulungagung' 099 1K. Surabaya' 100 'K. Probolinggo'
101 'K. Madiun' 102 'K. Kediril 103 1K. Blitar'
104 'K. Malang' 105 'K. Pasuruan' 106 1K. Mojokertol
107 'Buleleng' 108 'Jembrana' 109 'Tabanan' 110 'Badung'
111 'Gianyar' 112 'Klungkung' 113 'Bangli' 114 'Karangasem'
115 'Lombok Barat' 116 'Lombok Tengah' 117 'Lombok Timur'
118 'Sumbawa' 119 'Dompu' 120 'Bima' 121 'Mamuju' 122
'Luwu'
123 'MaJene' 124 'Polewali Mamasa' 125 'Tana ToraJal
126 'Pinrang' 127 'Enrekang' 128 'Sid. Rappang' 129
'Wajo/Fajol
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130 'Soppeng' 131 'Barru' 132 'Pakajene Kepulauan' 133 'Bone'

134 'Maros' 135 'Cowa/Goa' 136 'Sinjai' 137 'Bulukumba'

138 'Bantaeng/Bonthain' 139 'Jeneponto' 140 'Takalarl

141 'Selayar' 142 'K. Ujung Padang' 143 'K. Pare-Pare'

144 'Kolaka' 145 'Kendari' 146 'Muna' 147 'Buton'

148 'Musi Banyuasin' 149 'Ogan Komering Ilir'

150 'Ogan Komering Ulu' 151 'Huara Enim' 152 'Lahat'

153 'Musi Rawas' 154 'Bangka' 155 'Belitung' 156 'K. Palembang,

157 'K. Pangkal Pinang' 158 'Lampung Selatan'

159 'Lampung Tengah' 160 'Lampung Utara' 161 'K. Tanjung Karang'

162 'Batanghari' 163 'Muara Bungo Tebo' 164 'Keri

165 'Tanjung Jabung' 166 'Bangko Sarolangun' 167 "K. Jambi'

168 'Kampar' 169 'Indragiri Ilir' 170 'Bengkalis'

171 'Kepulauan Riau' 172 'Indragiri Ulu' 173 'K. Pakan Baru'

174 'Bengkulu Utara' 175 'Bengkulu Selatan' 176 'Rejanglebong,

177 'K. Bengkulu' 178 'Aceh Besar' 179 'Pidie' 180 'Aceh Utaral'

181 'Aceh Timur' 182 'Aceh Tengah' 183 'Aceh Barat'

184 'Aceh Selatan' 185 'Aceh. Tenggara' 186 'K. Banda Aceh'

187 'K. Sabang' 188 'Agam' 189 'Pasaman' 190 'Limapuluh Kota'

191 'Tanah Datar'

192 'Padang Pariaman' 193 'Pesisir Selatan' 194 'Solok'

195 'Sawah Lunto' 196 'K. Bukit Tinggi' 197 'K. Padang'.

198 'K. Sawah Lunto' 199 'K. Padang Panjang'

200 'Barito Kuala' 201 'Banjar' 202 'Hulu Sei Tengah'

203 'Hulu Sei Selatan' 204 'Hulu Sei Utara' 205 'Kota Baru'

206 'Tanah Laut' 207 'Tapin/Tapian' 208 'Tabalong'

209 IK. Banjarmasin' 210 'Kutai' 211 'Berau' 212 'Bulongan'

213 'Pasir' 214 'K. Balikpapan' 215 'K. Samarindal

216 'Bual-Toli-toli' 217 'Donggala' 218 'Posol'

219 'Luwuk/Banggai' 220 'Sangihe Talaud' 221 'Minahasa'

222 'Bolaang Mongondow' 223 'Gorontalo' 224 'K. Menado'

225 'K. Gorontalo' 226 'Sumba Timur' 227 'Sumba Barat'

228 'Manggarail 229 'Ngada' 230 'Ende' 231 'Sikka'

232 'Flores Timurl 233 'Kupang' 234 'Timor Tengah Selatan'

235 'Timor Tengah Utara' 236 'Belu' 237 'Alor' 238 'Deli Serdang'

239 'Langkat' 240 'Karo' 241 'Simalungun' 242 'Asahan'

243 'Labuhan Batu' 244 'Tapanuli Tengah' 245 'Tapanuli Selatan'

246 'Tapanuli Utaral 247 'Nias' 248 'Dairi' 249 'K. Medan'

250 'K. Pematangsiantar' 251 'K. Tanjung Balai' 252 'K. Binjai'

253 IK. Tebingtinggi' 254 'K. Sibolga' 255 'Pontianak'

256 'Sambas' 257 'Ketapang' 258 'Sanggau' 259 'Sintang'

260 'Kapuas Hulul 261 'K. Pontianak' 262 'Kapuas'

263 'Barito Utara' 264 'Barito Selatan' 265 'Kota Waringin Barat '

266 'Kota Waringin Timur' 267 'Kahayan Hulu' 268 'Katingan'

269 'Barito Timur' 270 'Murung Raya' 271 'K. Palangka Raya"

272 'Maluku Tengah' 273 'Maluku Tenggara' 274 'Halmahera
Tengah'
        275 'Maluku Utara' 276 'K. Ambon' 277 'Jayapura'
        /RELHH I 'HEAD OF HOUSEHOLD' 2 'wife'
        3 'child' 4 'child-in-law' 5 'grandchild' 6 'PARENT OR
PARENT-IN-LAW' 7 'OTHER FAMILYO
        8 'SERVANT' 9 'OTHERS' 11 'not stated'
        /MARSTAT 1 'NEVER MARRIED' 2 'MARRIED' 3 'DIVORCED' 4
'widowed'
        /URBAN 1 'urban' 2 'rural'
        /RELIGION 1 'ISLAM' 2 'PROTESTANT OR OTHER CHRISTIAN'
        3 'CATHOLIC' 4 'HINDUISM' 5 'BUDDIHISM' 6 'OTHER'
        /HILEVEL HHILEVEL 1 'SOME PRIMARY' 2 'COMPLETE PRIMARY'
        3 'JUNIOR HIGH SCHOOL' 4 'SENIOR HIGH SCHOOL' 5 'VOCATIONAL
JUNIO HIGH'
        6 'VOCATIONAL SENIOR HIGH' 7 'ACADEMY'
        8 'UNIVERSITY' 9 'NO ANSWER' 0 'NO EDUCATION'
        /LIT HLIT I 'LATIN CHARACTERS' 2 'OTHERS' 3 'NO' 9 'NO
ANSWER'
        /SCATT HSCATT 1 'attending school' 2 'not attending school,
        /POB 27 'UNKNOWN' 29 'ABROAD'
        /PRESIDEN 27 'UNKNOWN' 29 'ABROAD' 97 'NON MIGRANT'
        /IND HIND OCC HOCC 0 'NOT APPLICABLE'
        /everwk heverwk 0 ' not applicable' 1 'yqs' 2 'no' 9
'unknown'
        /work hwork 1 'worked last week' 2 'did not work last week'
9 'UNKNOWN'
        /WKSTAT HWKSTAT I 'OWN ACCOUNT WORKER' 2 'EM-PLIYER'
        3 'EMPLOYEE' 4 'UNPAID FAMILY WORKER' 0 'NOT APPLICABLE' 9
,unknown'
        /MATCH 0 'NO HUSBAND MATCH' 1 'HUSBAND MATCH'
        VARIABLE LABELS HAGE 'HUSBANDS AGE'/MARSTAT 'MARITAL
STATUS'
        /WT 'WEIGHT'
        /AGEMAR 'AGE AT MARRIAGE'/TIMESMAR 'NO. OF TIMES MARRIED'
        /MARDURY 'MARRIAGE DURATION, YEARS/MARDURM 'MARRIAGE
DURATION
        MONTHS'
        /EVERUSE 'EVER USE CONTRACEPTION'/CURUSE 'CURRENT USE
        CONTRACEPTION'
        /RELHH 'RELATIONSHIP TO HOUSEHOLD HEAD'
        /HILEVEL 'EDUCATIONAL ATTAINMENT'
        /HHILEVEL 'HUSBANDS EDUCATIONAL ATTAINMENT'
        /LIT 'LITERACY'/HLIT 'HUSBANDS LITERACY'
        /SCATT 'SCHOOL ATTENDANCE'/HSCATT 'HUSBAND SCHOOL
ATTENDANCE'
        /MARSTAT 'MARITAL STATUS'
        /POB 'PLACE OF BIRTH'
        /WORK 'WORK LAST WEEK'
        /HWORK 'HUSBAND WORK LAST WEEK'
        /PRESIDEN 'PREVIOUS RESIDENCE'
        /OCC 'OCCUPATION'/HOCC 'HUSBANDS OCCUPATION'
        /IND 'INDUSTRY'/HIND 'HUSBANDS INDUSTRY'
        /WKSTAT 'WORK STATUS'
        /HWKSTAT 'HUSBANDS WORK STATUS' /CEB 'CHILDREN-EVER-BORN'
        /CS 'CHILDREN STILL LIVING'
        /MATCH 'HUSBAND MATCH'

```
        / Cl 'AGE OF IST MATCHED CHILD'
       /C2 'AGE OF 2ND MATCHED CHILD'
       /C3 'AGE OF 3RD MATCHED CHILD' /C4 'AGE OF 4TH MATCHED
CHILD'
       /C5 'AGE OF 5TH MATCHED CHILD'/C6 'AGE OF 6TH MATCHED
CHILD'
       /C7 'AGE OF 7TH MATCHED CHILD'/C8 'AGE OF 8TH MATCHED
CHILD'
       /UC1 'AGE OF IST UNMATCHED CHILD'/UC2 'AGE OF 2ND UNMATCHED
CHILD'
       /UC3 'AGE  OF 3RD UNMATCHED CHILD'/UC4 'AGE OF 4TH
UNMATCHED CHILD'
       /UC5 'AGE  OF 5TH UNMATCHED CHILD'/UC6 'AGE OF 6TH
UNMATCHED CHILD'
       /UC7, 'AGE OF 7TH UNMATCHED CHILD'/UC8 'AGE OF 8TH
UNMATCHED CHILD'
       /UC9 'AGE OF 9TH UNMATCHED CHILD'/UC10 'AGE OF IOTH
UNMATCHED CHILD'
       /UCll 'AGE OF 11TH UNMATCHED CHILDI/UC12 'AGE OF 12TH
UNMATCHED CHILD'
       /UC13 ' AGE OF 13TH UNMATCHED CHILD'/UC14 'AGE OF 14TH
UNMATCHED CHILD'
       /UC15 'AGE OF 15TH UNMATCHED CHILD'/UC16 'AGE OF 16TH
UNMATCHED CHILD'
       /OWN 'OWN-CHILDREN AGED 1,2, 3'
       /NKIDS 'NUMBER OF MATCHED CHILDREN'
       /NUKIDS 'NUMBER OF UNMATCHED CHILDREN'
       /INM71P 'INF MORTALITY 1968 AT PROVINCE LEVEL'
       /INM80P 'INF MORTALITY 1977 AT PROVINCE LEVEL'
SORT CASES BY KABUP
MATCH FILES TABLE-INDATAl/FILE-* /BY KABUP
SAVE OUTFILE-OUTDATA/DROP-WEIGHT /COMPRESSED
FINISH
-------------------------------------------------------------
```

The same steps were undertaken for 1980.

Program to match contextual variables file to 1980 micro-data
file (run on tape BNO037):

```
DATA LIST FILE-INDATA/HH 1-7 provin 8-11 KABUPAT 12-15
       URBAN 24 hsize 25-27 weight 28-32 AGE 33-34 RELHH 35-36
       MARSTAT 37-38 RELIGION 45-47 HILEVEL 56-57 LIT 58-59
       SCATT 60-61 POB 64-67 PRESIDEN 72-75 AGEMAR 86-87 ACT 128
       MARDURY 88-89 MARDURM. 92-93 TIMESMAR 90-91 EVERUSE 94-95
       CURUSE 96-97 CS 104-105 CD 110-111 OCC 120-123 IND 124-125
       DAYSWK 132 WKSTAT 133 MATCH 140 HAGE 141-142 HHILEVEL
148-149
       HLIT 150-151 HSCATT 152-153 HOCC 154-157 HIND 158-159 HACT
162
       HDAYSWK 166 HWKSTAT 167
       NKIDS 174 Cl TO C8 175-182 NUKIDS 183-184 UCl TO UC16
185-200
SET MXWARNS-500
SAMPLE 0.18
compute kabup-provin*100+kabupat
RECODE KABUP (1101-184) (1102-185) (1103-181) (1104-182)
```

```
      (1105-183) (1106-178) (1107-179) (1108-180) (1171-186)
(1172-187) (1201-247) (1202-245) (1203-244) (1204-246)
(1205-243) (1206-242) (1207-241) (1208-248) (1209-240)
(1210-238) (1211-239) (1271-254) (1272-251) (1273-250)
(1274-2513) (1275-249) (1276-252) (1301-193) (1302-194)
(1303-195) (1304-191) (1305-192) (1306-188) (1307-190)
(1308-189) (1371-197) (1372-191) (1373-198) (1374-199)
      (1375-196) (1376-190) (1401-172) (1402-169) (1403-171)
(1404-168) (1405-170) (1471-173) (1501-164) (1502-166)
(1503-162) (1504-165) (1505-163) (1571-167) (1601-150)
(1602-149) (1603-151) (1604-152) (1605-153) (1606-148)
      (1607-154) (1608-155) (1671-156) (1672-157)(1701-175)
(1702-176) (1703-174) (1771-177) (1801-158) (1802-159)
(1803-160) (1871-161) (3171-002) (3172-005) (3173-001)
(3174-003) (3175-004) (3201-006) (3202-008) (3203-011)
(3204-012) (3205-013) (3206-014) (3207-016) (3208-017)
(3209-025) (3210-019) (3211-018) (3212-021) (3213-015)
(3214-020) (3215-022) (3216-010) (3217-009) (3218-024)
      (3219-023) (3220-007) (3271-026) (3272-027) (3273-029)
      (3274-028) (3301-032) (3302-030) (3303-031) (3304-033)
(3305-038) (3306-037) (3307-036) (3308-034) (3309-053)
(3310-052) (3311-055) (3312-057) (3313-056) (3314-054)
(3315-046) (3316-050) (3317-049) (3318-047) (3319-051)
(3320-048) (3321-045) (3322-043) (3323-035) (3324-044)
      (3325-058) (3326-039) (3327-040) (3328-041) (3329-042)
      (3371-059) (3372-064) (3373-063) (3374-062) (3375-060)
(3376-061) (3401-068) (3402-065) (3403-067) (3404-066)
(3471-069) (3501-081) (3502-080) (3503-085) (3504-098)
(3505-084) (3506-082) (3507-086) (3508-089) (3509-092)
(3510-093) (3511-090) (3512-091) (3513-088) (3514-087)
(3515-071) (3516-072) (3517-073) (3518-083) (3519-077)
(3520-079) (3521-078) (3522-074) (3523-075) (3524-076)
      (3525-070) (3526-097) (3527-095) (3528-094) (3529-096)
      (3571-102) (3572-103) (3573-104) (3574-100) (3575-105)
(3576-106) (3577-101) (3578-099) (5101-108) (5102-109)
(5103-110) (5104-111) (5105.-112) (5106-113) (5107-114)
(5108-107) (5201-115) (5202-116) (5203-117) (5204-118)
(5205-119) (5206-120) (5301-227) (5302-226) (5303-233)
(5304-234) (5305-235) (5306-236) (5307-237) (5308-232)
(5309-231) (5310-230) (5311-229) (5312-2.28) (6101-256)
(6102-255) (6103-258) (6104-257) (6105-259) (6106-260)
      (6171-261) (6201-265) (6202-266) (6203-268) (6204-262)
(6205-264) (6206-269) (6207-263) (6208-267) (6209-270)
(6271-271) (6301-206) (6302-205) .(6303-201) (6304-200)
(6305-207) (6306-203) (6307-202) (6308-204) (6309-208)
(6371-209) (6401-213) (6402-210) (6403-211) (6404-212)
(6471-214) (6472-215) (7101-223) (7102-222) (7103-221)
(7104-220) (7171-225) (7172-224) (7201-219) (7202-218)
(7203-217) (7204-216) (7301-141) (7302-137) (7303-138)
(7304-139) (7305-140) (7306-135) (7307-136) (7308-133)
(7309-134) (7310-132) (7311-131) (7312-130)
      (7313-129) (7314-128) (7315-126) (7316-127) (7317-122)
(7318-125) (7319-124) (7320-123) (7321-121) (7371-142)
      (7372-143) (7401-147) (7402-146) (7403-145) (7404-144)
      (8101-273) (8102-272) (8103-274) (8104-275) (8171-276)
      (8201-283) (8202-285) (8203-277) (8204-284) (8205-282)
      (8206-281) (8207-280) (8208-279) (8209-278)
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RECODE KABUF (187-186) (251-242) (254-244),(193-194) (198-195)
       (168-169) (152-153) (174-176) (059-034) (234.,236-235)
       (258,259-260) (263,264,269,270-267) (265-266) (268-262)
       (212-213) (223-225) (224-221) (216-217) (218-219) (275-273)
       (278,283-277) (185-184) (228-229) (210,211-213) (214-215)
       (274-273) (279 thru 285-277)
COMPUTE YEAR-1980
DO IF (SCATT EQ 2)
RECODE SCATT (2-1)
ELSE
RECODE SCATT (1,3-2)
END IF
COMPUTE WT-WEIGHT/20.288
RECODE POB (11-01) (12-02) (13-03) (14-04) (15-05) (16-06)
(17-07) (18-08) (31-09) (32-10) (33-11) (34-12) (35-13) (51-14)
(52-15) (53-16) (61-17) (62-18) (63-19) (64-20) (71-21) (72-22)
(73-23) (74-24) (81-25) (82-26) (98-29) (99-27)
DO IF (PROVIN EQ PRESIDEN)
COMPUTE PRESIDEN-97
END IF
RECODE PRESIDEN (11-01) (12-02) (13-03) (14-04) (15-05) (16-06)
(17-07) (18-08) (31-09) (32-10) (33-11) (34-12) (35-13) (51-14)
(52-15) (53-16) (61-17) (62-18) (63-19) (64-20) (71-21) (72-22)
(73-23) (74-24) (81-25) (82-26) (98-29) (99-27)
RECODE HILEVEL (SYSMIS-0)
RECODE CS (SYSMIS-99)
RECODE CD (SYSMIS-99)
COMPUTE CEB-CS+CD RECODE CEB (198-99)
COMPUTE YEAR-1980
COUNT OWN-Cl TO C8(1,2,3)
RECODE OCC (SYSMIS-0)
RECODE IND (SYSMIS-0)
RECODE EVERWK (SYSMIS-0)
RECODE WKSTAT (1,2-1) (3-2) (4-3) (5-4) (SYSMIS-0)
COMPUTE WORK-2
DO IF (ACT EQ 1)
COMPUTE WORK-1
ELSE IF (DAYSWK GE 2 AND DAYSWK LE ,7)
COMPUTE WORK-1
ELSE IF (DAYSWK EQ 9)
COMPUTE WORK-9
END IF
DO IF (MATCH EQ 1)
RECODE HHILEVEL (SYSMIS-0)
RECODE HOCC (SYSMIS-0)
RECODE HIND (SYSMIS-0)
RECODE HDAYSWK (SYSMIS-99)
RECODE HEVERWK (SYSMIS-0)
RECODE HWKSTAT (SYSMIS-0)
END IF
COMPUTE HWORK-2
DO IF (MATCH EQ 0)
COMPUTE HWORK-100
ELSE IF (HACT EQ 1)
COMPUTE HWORK-1
ELSE IF (HDAYSWK GE 2 AND HDAYSWK LE 7)
COMPUTE HWORK-1
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ELSE IF (HDAYSWK EQ 9)
COMPUTE HWORK-9
END IF
RECODE HWORK (100-SYSMIS)
RECODE HWKSTAT (1,2-1) (3-2) (4-3)(5-4)
DO IF (HSCATT EQ 2)
RECODE HSCATT (2-1)
ELSE
RECODE HSCATT (1,3-2)
END IF
RECODE PROVIN (11-01) (12-02) (13-03) (14-04) (15-05)(16-06)
(17-07) (18-08) (31-09) (32-10) (33-11) (34-12) (35-13)(51-14)
(52-15) (53-16) (61-17) (62-18) (63-19) (64-20) (71-21) (72-22)
(73-23) (74-24) (81-25) (82-26)
COMPUTE  INM71P-0
IF (PROVIN EQ 1) INM71P-0.141
IF (PROVIN EQ 2) INM71P-0.120
IF (PROVIN EQ 3) INM71P-0.151
IF (PROVIN EQ 4), INH71P-0.141
IF (PROVIN EQ 5) INM71P-0.155
IF (PROVIN EQ 6) INM71P-0.151
IF (PROVIN EQ 7) INM71P-0.166
IF (PROVIN EQ 8) INM71P-0.147
IF (PROVIN EQ 9) INM71P-0.126
IF (PROVIN EQ 10) INM71P-0.165
IF (PROVIN EQ 11) INM71P-0.143
IF (PROVIN EQ 12) INM71P-0.098
IF (PROVIN EQ 13) INM71P-0.119
IF (PROVIN EQ 14) INM71P-0.127
IF (PROVIN EQ 15) INM71P-0.219
IF (PROVIN EQ 16) INM71P-0.151
IF (PROVIN EQ 17) INM71P-0.143
IF (PROVIN EQ 18) INM71P-0.128
IF (PROVIN EQ 19) INM71P-0.165
IF (PROVIN EQ 20) INM71P-0.151
IF (PROVIN EQ 21) INM71P-0.114
IF (PROVIN EQ 22) INM71P-0.146
IF (PROVIN EQ 23) INM71P-0.159
IF (PROVIN EQ 24) INM71P-0.191
IF (PROVIN EQ 25) INM71P-0.145
IF (PROVIN EQ 26)INM71P-0.113
COMPUTE INM80P-0
IF (PROVIN EQ 1) INM80P-0.091
IF (PROVIN EQ 2) INM80P-0.089
IF (PROVIN EQ 3) INM80P-0.121
IF (PROVIN EQ 4) INM80P-0.113
IF (PROVIN EQ 5) INM80P-0.118
IF (PROVIN EQ 6) INM80P-0.118
IF (PROVIN EQ 7) INM80P-0.106
IF (PROVIN EQ 8) INM80P-0.097
IF (PROVIN EQ 9) INM80P-0.080
IF (PROVIN EQ 10) INM80P-0.129
IF (PROVIN EQ 11) INM80P-0.096
IF (PROVIN EQ 12) INM80P-0.062
IF (PROVIN EQ 13) INM80P-0.099
IF (PROVIN EQ 14) INM80P-0.088
IF (PROVIN EQ 15) INM80P-0.187
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IF (PROVIN EQ 16) INM80P-0.124
IF (PROVIN EQ 17) INM80P-0.116
IF (PROVIN EQ 18) INM80P-0.100
IF (PROVIN EQ 19) INM80P-0.121
IF (PROVIN EQ 20) INM80P-0.099
IF (PROVIN EQ 21) INM80P-0.094
IF (PROVIN EQ 22) INM80P-0.128
IF (PROVIN EQ 23) INM80P-0.108
IF (PROVIN EQ 24) INM80P-0.114
IF (PROVIN EQ 25) INM80P-0.124
IF (PROVIN EQ 26) INM80P-0.106
VALUE LABELS
PROVIN 01 'D.I ACEH' 02 ' SUMATRA UTARA' 03 'SUMATRA BARAT'
14 'BALI' 15 'NUSA TENGGARA BARAT' 16 'NUSA TENGGARA TIMUR'
04 'Riau' 05 'Jambi' 06 'Sumatra Selatan' 07 'Bengkulul 08
'Lampung'
09 IDKI JAKARTA' 10 'JAWA BARAT' 11 'JAWA TENGAH' 12 'D.I.
JOGJAKARTA'
13 'Jawa Timur' 17 'Kalimantan Barat, 18 'Kalimantan Tengahl
19 'KALIMANTAN SELATAN' 20 'KALIMANTAN TIMUR' 21 'SULAWESI UTARA'
22 'Sulawesi Selatan' 23 'Sulawesi Selatan' 24 'Sulawesi
Tenggara'
25 'Maluku' 26 'Irian Jaya'
/KABUP 001 'K. Jakar'ta Pusat' 002 'K. Jakarta Selatan'
003 'K. Jakarta Barat' 004 'K. Jakarta Utara'
005 'K. Jakarta Timur' 006 'Pandeglang'
007 'Serang' 008 'Lebak' 009 'Krawang' 010 'Purwakarta'
011 'Bogor' 012 'Sukabumi' 013 'Cianjur' 014 'Bandung'
015 'Sumedang' 016 'Garut' 017 'Tasikmalaya' 018 'Cirebon'
019 'Kuningan' 020 'Indramayu' 021 'Majalengkal 022 'Subang'
023 'Tanggerang' 024.'Bekasil 025 'Ciamis' 026 'K. Bogor'
027 'K. Sukabumi' 028 'K. Cirebon' 029 'K. Bandung,
030 'Banyumas' 031 'Purbolinggol 032 'Cilacap'
033 'Banjarnegara' 034 'Magelang, 035 'Temanggung'
036 'Wonosobol 037 'PurworeJol 038 'Kebumen'
039 'Pekalongan' 040 'Pemalang' 041 'Tegal'
042 'Brebes' 043 'Semarang' 044 'Kendal' 045 'Demak'
046 'Grobogan' 047 'Pati' 048 'Jepara' 049 'Rembang'
050 'BLORA' 051 'KUDUS' 052 'KLATEN' 053 'BOYOLALI'
054 'Sragen' 055 'Sukoharjo' 056 'Karanganyar' 057 'Wonogiri'
058 'BATANG' 059 'K. MAGELANG' 060 'K. PEKALONGAN'
061 'K. Tegal' 062 'K. Semarang' 063 'K. Salatiga'
064 'K. Surakarta' 065 'Bantull 066 'Sleman'
067 ''Gunung Kidul' 068 'Kulon Progo' 069 'K. Yogyakarta'
070 'Gresik' 071 'Sidoarjo' 072 'Mojokerto' 073 'Jombang'
074 'Bojonegoro' 075 'Tuban' 076 'Lamongan' 077 'Madiun'
078 'Ngawi' 079 'Magetan' 080 'Ponorogo' 081 'Pacitan'
082 'Kediri' 083 'Nganjuk' 084 'Blitarl 085 'Trenggalek'
086 'Malang' 087 'Pasuruan' 088 'Probolinggo' 089 'Lumajan
090 'Bondowosol 091 'Situbondo' 092 'Jemberl 093 'Banyuwan'
094 'Pamekasan' 095 'Sampang' 096 'Sumenep' 097 'Bangkalan'
098 'Tulunvagunz' 099 'K. Surabaya' 100 'K. Probolinggol
101 'K. Madiun' 102 'K. Kediri' 103 'K. Blitar'
104 'K. Malang' 105 'K. Pasuruan' 106 'K. Mojokerto
107  'Buleleng' 108 'Jembrana' 109 'Tabanan' 110 'Badung'
111 'Gianyarl 112 'Klungkung' 113 'Bangli, 114 'Karangasem'
115 'Lombok Barat' 116 'Lombok Tengahl 117 'Lombok Timur'
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118 'Sumbawa' 119 'Dompu' 120 'Bima' 121 'Mamuju' 122 'Luwu'
123 'Majene' 124 'Polewali Hamasa' 125 'Tana Torajal'
126 'Pinrang' 127 'Enrekang' 128 'Sid. Rappang' 129 'Wajo/Fajo'
130 'Soppeng' 131 'Barru' 132 'Pakajene Kepulauan' 133 'Bone'
134 'Maros' 135 'Gowa/Goa' 136 'Sinjai' 137 'Bulukumba'
138 'Bantaeng/Bonthain' 139 'Jeneponto' 140 'Takalar'
141 'Selayar' 142 'K. Ujung Padang' 143 'K. Pare-Pare'
144 'Kolaka' 145 'Kendari' 146 'Muna' 147 'Buton'
148 'Musi Banyuasin' 149 'Ogan Komering Ilir'
150 'Ogan Komering Ulu' 151 'Muara Enim' 152 'Lahat'
153 'Musi Rawas' 154 'Bangka' 155 'Belitung' 156 'K. Palembang'
157 'K. Pangkal Pinang' 158 'Lampung Selatan'
159 'Lampung Tengah' 160 'Lampung Utara' 161 'K. Tanjung Karang'
162 'Batanghari' 163 'Muara Bungo Tebo' 164 'Kerinci'
165 'Tanjung Jabung' 166 'Bangko Sarolangun' 167 'K. Jambi'
168 'Kampar'169 'Indragiri Ilir' 170 'Bengkalis'
171 'Kepulauan Riau' 172 'Indragiri Ulu' 173 'K. Pakan Baru'
174 'Bengkulu Utaral 175 'Bengkulu Selatan' 176 'Rejanglebong'
177 'K. Bengkulu' 178 'Aceh Besar' 179 'Pidie' 180 'Aceh Utara'
181 'Aceh Timur' 182 'Aceh Tengah' 183 'Aceh Barat'
184 'Aceh Selatan' 185 'Aceh Tenggara' 186 'K. Banda Aceh'
187 'K. Sabang' 188 'Agam' 189 'Pasaman' 190 'Limapuluh Kota'
191 'Tanah Datar'
192 'Padang Pariaman' 193 'Pesis.ir Selatan' 194 'Solok'
195 'Sawah Lunto' 196 'K. Bukit Tinggi' 197 'K. Padang'
198 'K. Sawah Lunto' 199 'K. Padang Panjang'
200 'Barito Kuala' 201 'Banjarl 202 'Hulu Sei Tengah'
203 'Hulu Sei Selatan' 204 'Hulu Sei Utara' 205 'Kota Baru'
206 'Tanah Laut' 207 'Tapin/Tapian' 208 'Tabalong'
209 'K. Banjarmasin' 210 'Kutail 211 'Berau' 212 'Bulongan'
213 'Pasir' 214 'K. Balikpapan' 215 'K. Samarindal
216 'Bual-Toli-toli' 217 'Donggala' 218 'Poso'
219 'Luwuk/Banggai' 220 'Sangihe Talaud' 221 'Kinahasao
222 'Bolaang Mongondow' 223 'Gorontalo' 224 'K. Menado'
225 'K. Gorontalo' 226 'Sumba Timur' 227 'Sumba Barat'
228 'Manggarail 229 'Ngada' 230 'Ende' 231 'Sikka' -
232 'Flores Timur' 233 'Kupang' 234 'Timor Tengah Selatan'
235 'Timor Tengah Utara' 236 'Belu' 237 'Alor' 238 'Deli
Serdang'
239 'Langkat' 240 'Karo' 241 'Simalungun' 242 'Asahan'
243 'Labuhan Batu' 244 'Tapanuli Tengah' 245 'Tapanuli Selatan,
246 'Tapanuli Utara' 247 'Nias' 248 'Dairi' 249 'K. Medan,
250 'K. Pematangsiantar' 251 'K. Tanjung Balai' 252 'K. Binjai'
253 'K. Tebingtinggi' 254 'K. Sibolga' 255 'Pontianak'
256 'Sambas' 257 'Ketapang' 258 'Sanggau' 259 'Sintang'
260 'Kapuas Hulu' 261 'K. Pontianak' 262 'Kapuas'
263 'Barito Utara' 264 'Barito Selatan' 265 'Kota Waringin Barat'
266 'Kota Waringin Timur' 267 'Kahayan Hulul 268 'Katingan'
269 'Barito Timur' 270 'Murung Raya' 271 'K. Palangka Raya'
272 'Maluku Tengah' 273 'Maluku Tenggara' 274 'Halmahera Tengah'
275 'Maluku Utaral 276 'K. Ambon' 277 'Jayapura'
/RELHH I 'HEAD OF HOUSEHOLD' 2 'wife'
3 'CHILD' 4 'CHILD-IN-LAW' 5 'GRANDCHILD'
6 'PARENT OR PARENT-IN-LAW' 7 'OTHER FAMILY' 8 'SERVANT' 9
'OTHERS'
11 'NOT STATED'
/MARSTAT 1 'NEVER MARRIED' 2 'MARRIED' 3 'DIVORCED' 4 'widowed'

```
/URBAN I 'urban' 2 'rural'
/RELIGION 1 'ISLAM' 2 'PROTESTANT OR OTHER CHRISTIAN'
3 'CATHOLIC' 4 'HINDUISM' 5 'BUDDIHISMI 6 'OTHER'
/HILEVEL HHILEVEL 1 'NO EDU OR SOME PRIMARY' 2 'COMPLETE PRIMARY'
3 'JUNIOR HIGH SCHOOL, 4 'SENIOR HIGH SCHOOL'
5 'VOCATIONAL JUNIOR HIGH' 6 'VOCATIONAL SENIOR HIGH'
7 'ACADEMY' 8 'UNIVERSITY' 9 'NO ANSWER' 0 'NOT APPLICABLE'
/LIT HLIT 1 'LATIN CHARACTERS' 2 'OTHERS' 3 'NO' 9 'NO ANSWER'
/SCATT HSCATT 1 'ATTENDING SCHOOL' 2 'NOT ATTENDING SCHOOL'
/POB 27 'UNKNOWN' 29 'ABROAD'
/PRESIDEN 27 'UNKNOWN' 29 'ABROAD' 97 'NON MIGRANT'
/IND HIND OCC HOCC 0 'NOT APPLICABLE'
/EVERWK HEVERWK 0 - NOT APPLICABLE' 1 'YES' 2 'NO' 9 'UNKNOWN'
/WORK HWORK I 'WORKED LAST WEEK' 2 'DID NOT WORK LAST WEEK' 9
'UNKOWN'
/WKSTAT HWKSTAT 1 'OWN ACCOUNT WORKER' 2 'EMPLOYER' 3 'EMPLOYEE'
4 'UNPAID FAMILY WORKER' 0 'NOT APPLICABLE' 9 'Unknown'
/MATCH 0 'NO HUSBAN ' D MATCH' 1 'HUSBAND MATCH'
VARIABLE LABELS HAGE 'HUSBANDS AGE' /MARSTAT 'MARITAL STATUS'
/WT 'WEIGHT'
/AGEMAR 'AGE AT HARRIAGE'/TIMESMAR 'NO. OF TIMES MARRIED'
/MARDURY 'MARRIAGE DURATION, YEARS'/MARDURM 'MARRIAGE DURATION
MONTHS'
/EVERUSE 'EVER USE CONTRACEPTION'/CURUSE 'CURRENT USE
CONTRACEPTION'
/RELHH 'RELATIONSHIP TO HOUSEHOLD HEAD'
/HILEVEL 'EDUCATIONAL ATTAINMENT'
/HHILEVEL 'HUSBANDS EDUCATIONAL ATTAINMENT'
/LIT 'LITERACY'/HLIT 'HUSBANDS LITERACY' '
/SCATT 'SCHOOL ATTENDANCE'/HSCATT 'HUSBAND SCHOOL ATTENDANCE'
/MARSTAT 'MARITAL STATUS'
/POB 'PLACE OF BIRTH'
/WORK 'WORK LAST WEEK'
/HWORK 'HUSBAND WORK LAST WEEK'
/PRESIDEN 'PREVIOUS RESIDENCE'
/OCC 'OCCUPATION'/HOCC 'HUSBANDS OCCUPATION'
/IND 'INDUSTRY'/HIND 'HUSBANDS INDUSTRY'
/WKSTAT 'WORK STATUS'
/HWKSTAT 'HUSBANDS WORK STATUS'/CEB 'CHILDREN-EVER-BORN'
/CS 'CHILDREN STILL LIVING'
/MATCH 'HUSBAND MATCH'
/Cl 'AGE OF IST MATCHED CHILD'
/C2 'AGE OF 2ND MATCHED CHILD'
/C3 'AGE OF 3RD MATCHED CHILD'/C4 'AGE OF 4TH MATCHED CHILD'
/C5 'AGE OF 5TH MATCHED CHILD'/C6 'AGE OF 6TH MATCHED CHILD'
/C7 'AGE OF 7TH MATCHED CHILD'/C8 'AGE OF 8TH MATCHED CHILD'
/UC1 'AGE OF IST UNMATCHED CHILD'/UC2 'AGE OF 2ND UNMATCHED
CHILD'
/UC3 'AGE OF 3RD UNMATCHED CHILD'/UC4'AGE OF 4TH UNMATCHED CHILD'
/UC5 'AGE OF 5TH UNMATCHED CHILD'/UC6 'AGE OF 6TH UNMATCHED
CHILD'
/UC7 'AGE OF 7TH UNMATCHED CHILD'/UC8'AGE OF 8TH UNMATCHED CHILD'
/UC9 'AGE OF 9TH UNMATCHED CHILD'/UC10 'AGE OF 10TH UNMATCHED
CHILD'
/UC11 'AGE OF 11TH UNMATCHED CHILD'/UC12 'AGE OF 12TH UNMATCHED
CHILD'
```

```
/UC13 'AGE OF 13TH UNMATCHED CHILD'/UC14 'AGE OF 14TH UNMATCHED
CHILD'
/UC15 'AGE OF 15TH UNMATCHED CHILD'/UC16 'AGE OF 16TH UNMATCHED
CHILD'
/OWN 'OWN-CHILDREN AGED 1,2, 3'
/NKIDS 'NUMBER OF MATCHED CHILDREN'
/NUKIDS 'NUMBER OF UNMATCHED CHILDREN'
/INM71P 'INF MORTALITY 1968 AT PROVINCE LEVEL'
/INM80P 'INF MORTALITY 1977 AT PROVINCE LEVEL'
SORT CASES BY KABUP
MATCH FILES TABLE-INDATAI/FILE-* /BY KABUP
XSAVE OUTFILE-OUTDATA
        /DROP-KABUPAT WEIGHT CD DAYSWK HDAYSWK
      /COMPRESSED
EXECUTE
FINISH
```

Note : The resulting file is only 1/3 of the 1980 matching file ,
which was finally merged with 1971 matching file. The same
program was also run on tapes BNO038 and BNO036 to get the other
2/3 of the data. These three semi-file were added together, then
merged with the 1971 file.

The program to ADD 1971 and 1980 matching files are: EXEC FILE:


```
FI INDATA1 DISK MATCH71 SYS
FI INDATA2 DISK MATCH80 SYS
FI OUTDATA TAP3 SL 1 (RECFM FB BLKSIZE 30720 LRECL 1024

SPSSX FILE:
ADD FILES FILE-INDATA1/FILE-INDATA2
SAVE OUTFILE-OUTDATA
FINISH
```

APPENDIX B
INDONESIA, 1971 CENSUS.

INPUT LOCATION, as substring of raw data rec	VARIABLE DESCRIPTION	STANDARD FILE (output) LOCATION

WIFE INFORMATION:

INPUT	VARIABLE DESCRIPTION	LOCATION
YH(F(7))	Computed Household Number 1- 7	1-7
[HHRI' '||(12,2)	Area variable 1:	8- 11
[HHRI' '||(14,3)	Area variable 2:	12- 15
'99'	Area variable 3: (N.A.)	16- 19
'99'	Area variable 4: (N.A.)	20- 23
[HHR] (6,I)	Urban-Rural	24- 24
(10,3)	Household size	25- 27
' ' ||(34,4)	Weighting factor	28- 32
(11,2)	Age	33- 34
(13,2)	Relationship to HH head	35- 36
' ' ||(15,1)	Marital status	37- 38
'999'	Ethnicity (N.A.)	39- 41
' ' ||(18,1)	Language	42- 44
' ' ||(17,1)	Religion	45- 47
' ' || (16,1)	Citizenship	48- 50
' ' || (20,1)	Education, grade	51- 52
' ' || (21,1)	Education, qualifications	53- 55
'99'	Education, other (N.A.)	56- 57
' ' || (19,1)	Literacy	58- 59
' ' || (22,I)	School attendance	60- 61
' ' || (25,1)	Migrant status	62- 63
' ' || (23,2)	Place of birth 1:	64- 67
'9999'	Place of birth 2: (N.A.)	68- 71
' ' || (26,2)	Previous residence 1:	72- 75
'9999'	Previous residence 2: (N.A.)	76- 79
'99'	Length of residence (N.A .)	80- 81
'9999'	Residence/migration, other (N.A.)	82- 85
'99'	Age at marriage (N.A.)	86- 87
'99'	Duration of marriage (N.A.)	88- 89
'99'	Number of times married (N.A.)	90- 91
'99'	Marriage, other information (N.A.)	92- 93
'99'	Contraception: Ever use (N.A.)	94- 95
'99'	Contraception: Current use (N.A.)	96- 97
(30,2)	Children ever born, Total	98- 99
'99'	children ever born, male (N.A.)	100-101
'99'	children ever born, female (N.A.)	102-103
(32,2)	Live children, Total	104-105
'99'	live children, male (N.A.)	106-107
'99'	live children, female (N.A.)	108-109
'99'	Number of children who died (N.A.)	110-111
'99'	Date of last birth, month (N.A.)	112-113
'99'	Date of last birth, year (N.A.)	114-115
'99'	Last born Is still alive (N.A.)	116-117
'99'	Number of births last year (N.A.)	118-119
' ' || (49,3)	Occupation	120-123
' ' || (52,2)	Industry	124-127
' ' || (45,1)	Worked last week	128-129
' ' || (46,1)	Activity last week	130-131
' ' || (47,1)	Ever Worked	132-133
' ' || (48,1)	Work Status	134-135
' ' || (54,1)	Agricultural/non-agricultural work	136-137
' ' || (55,1)	Work Status of agricultural worker	138-139

HUSBAND INFORMATION:

0,1 (f(1))	Computed: Husband match=1 else=0	140-140
(11,2)	Age, husband	141-142
' ' | | (20,1)	Education, grade, husband	143-144
' ' | | (21,1)	Education, qualifications, husband	145-147
'99 '	Education, other (N.A.), husband	148-149
' ' | | (19,1)	Literacy, husband	150-151
' ' | | (22,1)	School attendance, husband	152-153
' ' | | (49,3)	Occupation, husband	154-157
' ' | | (52,2)	Industry, husband	158-161
' ' | | (45,1)	Worked last week, husband	161-163
' ' | | (46,1)	Activity last week, husband	164-165
' ' | | (47,1)	Ever Worked, husband	166-167
' ' | | (48,1)	Work Status, husband	168-169
' ' | | (54,1)	Agricultural/non-agricultural work, husband	170-171
' ' | | (55,1)	Work Status of agricultural worker, husband	172-173

OWN (matched) CHILDREN INFORMATION:

OWN(f(l))	Computed: Number of matched own kids	174-174
KI(11,2)	Age of matched own kid No.1	175-175
K2(11,2)	Age of matched own kid No.2	176-176
K3(11,2)	Age of matched own kid No-3	177-177
K4(11,2)	Age of matched own kid No.4	178-178
K5(11,2)	Age of matched own kid No.5	179-179
K6(11,2)	Age of matched own kid no.6	180-180
K7(11,2)	Age of matched own kid No.7	181-181
K8(11,2)	Age of matched own kid No.8	182-182

CHILDREN (in Household) WITH NO MOTHER-MATCH:

OTH (f (2))	Computed: Number of unmatched kids in HH	183-184
K1 (11,2)	Age of unmatched kid in HH, No.1	185-185
K2 (11,2)	Age of unmatched kid in HH, No. 2	186-186
K3 (11,2)	Age of unmatched kid in HH, No. 3	187-187
K4 (11,2)	Age of unmatched kid in HH, No. 4	188-188
K5 (11,2)	Age of unmatched kid in HH, No. 5	189-189
K6 (11,2)	Age of unmatched kid in HH, No. 6	190-190
K7 (11,2)	Age of unmatched kid in HH, No. 7	191-191
K8 (11,2)	Age of-unmatched kid in HH, No. 8	192-192
K9 (11,2)	Age of unmatched kid In HH, No. 9	193-193
K10 (11,2)	Age of unmatched kid in HH, No.10	194-194
K11 (11,2)	Age of unmatched kid In HH, No.11	195-195
K12 (11,2)	Age of unmatched kid In HH, No.12	196-196
K13 (11,2)	Age of unmatched kid in HH, No.13	197-197
K14 (11,2)	Age of unmatched kid in HH, No-14	198-198
K15 (11,2)	Age of unmatched kid in HH, No.15	199-199
K16 (11,2)	Age of unmatched kid in HH, No.16	200-200

INDONESIA, 1980 CENSUS.

INPUT LOCATION, As substring of raw data rec	VARIABLE DESCRIPTION	STANDARD FILE (output) LOCATION

WIFE INFORMATION

YH(F(7))	Computed Household Number	1- 7
' ' | | (1,2)	Province	8-11
' ' | | (3,2)	Kabupaten	12- 15
' ' | | (6,3)	Census Block Number	16- 19

' ' | | (47,3)	Household weight (from HH record)	20- 23
(5,1)	Urban-Rural	24- 24
(13,3)	Household size	25- 27
' ' | | (103,3)	Weighting factor for individual	28- 32
(26,2)	Age	33- 34
' ' | | (21,1)	Relationship to HH head	35- 36
' ' | | (33,1)	Marital status	37- 38
'999'	Ethnicity (N.A.)	39- 41
(52,3)	Language spoken at home	42- 44
' ' | | (34,1)	Religion	45- 47
' ' | | (55,1)	Able to speak Indonesian	48- 50
(46,1)	Highest type school attended	51- 51
(47,1)	Highest class attended	52- 52
(49,3)	Field of study	53- 55
' ' | | (48,1)	Highest educ. level completed	56- 57
' ' | | (56,1)	Literacy	58- 59
' ' | | (45,1)	School attendance	60- 61
'99'	Migrant status (N.A.)	62- 63
' ' | | (35,2)	Place of birth	64- 67
'9999'	Place of birth, other info (N.A.)	68- 71
' ' | | (39,2)	Place of previous residence	72- 75
'9999'	Previous residence, other info (N.A.)	76- 79
(37,2)	Duration of current residence	80- 81
' ' | | (41,2)	Residence five years ago	82- 85
(85,2)	Age at marriage	86- 87
(83,2)	Duration of marriage, years	88- 89
' ' | | (87,1)	Number of times married	90- 91
(81,2)	Duration of marriage, months	92- 93
' ' | | (101,1)	Contraception: Ever use	94- 95
' ' | | (102,1)	Contraception: Current use	96- 97
'99'	Children ever born, Total (N.A.)	98- 99
'99'	children ever born, male (N.A.)	100-101
'99'	children ever born, female (N.A.)	402-103
(88,2)	Live children, Total	104-105
(90,2)	children living at home	106-107
(92,2)	children living elsewhere	108-109
(94,2)	Number of children who died	110-111
(96,2)	Date of last birth, month	112-113
(98,2)	Date of last birth, year	114-115
' ' | | (100,1)	Last born is still alive	116-117
'99'	Number of births last year (N.A.)	118-119
(66,4)	Occupation	120-123
(70,2)	Industry of main occupation	124-125
(74,2)	Industry of secondary activity	126-127
(57,1)	Primary activity last week	128-128
(58,1)	Not working mainly, but (V35)	129-129
(59,1)	Has job, didn't work last week	130-130
(60,1)	Ever worked before	131-131
(61,1)	Days worked last week	132-132
(72,1)	Employment status, lry activity	133-133
(73,1)	Additional job last week	134-134
(76,1)	Look for work last week	135-135
(77,1)	Main reason not looking for job	136-136
(78,1)	Work last year	137-137
(79,2)	Industry of work last year	138-139

HUSBAND INFORMATION:

0, 1 (f (1))	Computed: Husband match=1, else=0	140-140
(26,2)	Age, husband	141-142
(46,1)	Highest type school attended, husband	143-143
(47,1)	Highest class attended, husband	144-144
(49,3)	Field of study, husband	145-147
' ' | | (48,1)	Highest education level completed, husband	148-149
' ' | | (56,1)	Literacy, husband	150-151

' ' | | (45,1)	School attendance, husband	152-153
(66,4)	Main occupation, husband	154-157
(70,2)	Industry of main occupation, husband	158-159
(74,2)	Industry of second occup., husband	160-161
(57,1)	Primary activity last week, husband	162-162
(58,1)	Not working mainly, but... (V35), husband	163-163
(59,1)	Has job, didn't work last week, husb.	164-164
(60,1)	Ever worked before, husband	165-165
(61,1)	Days worked last week, husband	166-166
(72,1)	Employment status, lry activ., husb.	167-167
(73,1)	Additional job last week, husband	168-168
(76,1)	Look for work last week, husband	169-169
(77,1)	Main reason not looking for job,husb.	170-170
(78,1)	Work last year, husband	171-171
(79,2)	Industry of work last year, husband	172-173

OWN (matched) CHILDREN INFORMATION:

OWN(f(l))	Computed: Number of matched own kids	174-174
KI (26,2)	Age of matched own kid No.1	175-175
K2 (26,2)	Age of matched own kid No.2	176-176
K3 (26,2)	Age of matched own kid No.3	177-177
K4 (26,2)	Age of matched own kid No.4	178-178
K5 (26,2)	Age of matched own kid No.5	179-179
K6 (26,2)	Age of matched own kid No.6	180-180
K7 (26,2)	Age of matched own kid No.7	181-181
K8 (26,2)	Age of matched own kid No.8	182-182

CHILDREN (in Household) WITH NO MOTHER-MATCH:

OTH (f(2))	Computed: Number of unmatched kids in HH	183-184
K1 (26,2)	Age of unmatched kid in HH, No. 1	185-185
K2 (26,2)	Age of unmatched kid in HH, No. 2	186-186
K3 (26,2)	Age of unmatched kid in HH, No. 3	187-187
K4 (26,2)	Age of unmatched kidin HH, No. 4	188-188
K5 (26,2)	Age of unmatched kid in HH, No. 5	189-189
K6 (26,2)	Age of unmatched kid in HH, No. 6	190-190
K7 (26,2)	Age of unmatched kid in HH, No. 7	191-191
K8 (26,2)	Age of unmatched kid in HH, No. 8	192-192
K9 (26,2)	Age of unmatched kid in HH, No. 9	193-193
K10 (26,2)	Age of unmatched kid in HH, No.10	194-194
K11 (26,2)	Age of unmatched kid in HH, No.11	195-195
K12 (26,2)	Age of unmatched kid in HH, No.12	196-196
K13 (26,2)	Age of unmatched kid in HH, No.13	197-197
K14 (26,2)	Age of unmatched kid in HH, No.14	198-198
K15 (26,2)	Age of unmatched kid in HH, No.15	199-199
K16 (26,2)	Age of unmatched kid in HH, No.16	200-200

APPENDIX C
LIST OF VARIABLES IN THE MERGED FILE

NAME	VALUES LABLES	POSITION
PROVIN	1 D-I ACEH	20
	2 SUMATRA UTARA	
	3 SUMATRA BARAT	
	4 Riau	
	5 Jambi	
	6 Su tra Selatan	
	7 Bengkulu	
	8 Lampung	
	9 DKI JAKARTA	
	10 JAWA BARAT	
	11 JAWA TENGAH	
	12 D.I. JOGJAKARTA	
	13 Jawa Timur	
	14 BALI	
	15 NUSA TENGGARA BARAT	
	16 NUSA TENGGARA TIMUR	
	17 Kalimantan Barat	
	18 Kalimantan Tengah	
	19 KALIMANTAN SELATAN	
	20 KALIMANTAN TIMUR	
	21 SULAWESI UTARA	
	22 Sulawesi Selatan	
	23 Sulawesi Selatan	
	24 Sulawesi Tenggara	
	25 Maluku	
	26 Irian Jaya	
KABUP		1
	I K. Jakarta Pusat	
	2 K. Jakarta Selatan	
	3 K. Jakarta Barat	
	4 K. Jakarta Utara	
	5 K. Jakarta Timur	
	6 Pandeglang	
	7 Serang	
	8 Lebak	
	9 Krawang	
	10 Purvakarta	
	11 Bogor	
	12 Sukabumi	
	13 Cianjur	
	14 Bandung	
	15 Sumedang	
	16 Garut	
	17 Tasikmalaya	
	18 Cirebon	
	19 Kuningan	
	20 Indramayu	

21 Majalengka
22 Subang
23 Tanggerang
24 Bekasi
25 Ciamis
26 K. Bogor
27 K. Sukabumi
28 K. Cirebon
29 K. Bandung
30 Banyumas
31 Purbolinggo
32 Cilacap
33 Banjarnegara
34 Magelang
35 Temanggung
36 Wonosobo
37 Purworejo
38 Kebumen
39 Pekalongan
40 Pemalang
41 Tegal
42 Brebes
43 Semarang
44 Kendal
45 Demak
46 Grobogan
47 Pati
48 Jepara
49 Rembang
50 BLDRA
51 KUDUS
52 KLATEN
53 BOYOLALI
54 Sragen
55 Sukoharjo
56 Karangan7ar
57 WonogIrI
58 BATANG
59 K. MAGELANG
60 K. PEKALDNGAM
61 K. Tegal
62 K. Semarang
63 K. Salatiga
64 K. Surakarta
65 Bantul
66 Sleman
67 Gunung Kidul
68 Kulon Progo
69 K. Yogyakarta
70 Gresik
72 Sidoarjo
72 Mojokerto

73 Jombang
74 Bojonegoro
75 Tuban
76 Lamongan
77 Madlun
78 Ngawi
79 Magetan
80 Ponorogo
81 Pacitan
82 Kedirl
83 Nganjuk
84 Blitar
85 Trenggalek
86 Malang
87 Pasuruan
88 Probolinggo
89 Lumajang
90 Bondowoso
91 Situbondo
92 Jember
93 Banyuwangi
94 Pamekasan
95 Sampang
96 Sumenep
97 Bangkalan
98 Tulungagung
99 K. Surabaya
100 K. Probolinggo
101 K. Madlun
102 K. Kedirl
103 K. BlItar
104 K. Malang
105 K. Pasuruan
106 K. Mojokerto
107 Buleleng
108 Jembrana
109 Tabanan
110 Badung
111 Glanyar
112 Klungkung
113 Bangli
114 Karangasem
115 Lombok Barat
116 Lombok Tengah
117 Lombok Timur
118 Sumbawa
119 Dompu
120 Bima
121 Mamuju
122 Luwu
123 Majene
124 Polewall Mamasa

125 Tana Toraja
126 Pinrang
127 Enrekang
128 Sid. Rappang
129 Wajo/Fajo
130 Soppeng
131 Barru
132 Pakajene Kepulauan
133 Bone
134 Maros
135 Gowa/Goa
136 Sinjai
137 Bulukumba
138 Bantaeng/Bonthaln
139 Jeneponto
140 Takalar
141 Selayar
142 K. Ujung Padang
143 K. Pare-Pare
144 Kolaka
145 Kendari
146 Muna
147 Buton
148 Musi Banyuasin
149 Ogan Komering Ilir
150 Ogan Kowering Ulu
151 Muara Enim
152 Lahat
153 Musi Rawas
154 Bangka
155 Belitung
156 K. Palembang
157 K. Pangkal Pinang
158 Lampung Selaran
159 Lampung Tengah
160 Lampung Utara
161 K. Tanjung Karang
162 Batanghari
163 Muara Bungo Tebo
164 Kerlnci
165 Tanjung Jabung
166 Bangko Sarolangun
167 K. Jambi
168 Kampar
169 Indragirl Ilir
170 Bengkalls
171 Kepulauan Riau
172 Indragirl Ulu
173 K. Pakan Baru
174 Bengkulu Utara
175 Bengkulu Selatan
176 Rejanglebong

177 K. Bengkulu
178 Aceh Besar
179 Pidie
180 Aceh Urara
181 Aceh Timur
182 Aceh Tengah
183 Aceh Barat
184 Aceh Selatan
185 Aceh Tenggara
186 K. Banda Aceh
187 K. Sabang
188 Agam
189 Pasaman
190 Limapuluh Kota
191 Tanah Datar
192 Padang Pariaman
193 Pesisir Selatan
194 Solok
195 Sawah Lunto
196 K. Bukit Tinggi
197 K. Padang
198 K. Sawah Lunto
199 K. Padang Panjang
200 Barito Kuala
201 Banjar
202 Hulu Sei Tengah
203 Hulu Sei Selacan
204 Hulu Sel Utara
205 Kota Baru
206 Tanah Laut
207 Tapin/Tapian
208 Tabalong
209 K. Banjarmasin
210 Kutai
211 Berau
212 Bulongan
213 Pasir
214 K. Ballkpapan
215 K. Samarinda
216 Bual-Toli-toli
217 Donggala
218 Poso
219 Luwuk/Banggai
220 Sangihe Talaud
221 Minahasa
222 Bolaang Mongondow
223 Gorontalo
224 K. Menado
225 K. Gorontalo
226 Sumba Timur
227 Sumba Barat
228 Manggaral

229 Ngada
230 Ende
231 Sikka
232 Flores Timur
233 Kupang
234 Timor Tengah Selatan
235 Timor Tengah Utara
236 Belu
237 Alor
238 Dell Serdang
239 Langkat
240 Karo
241 Simalungun
242 Asahan
243 Labuhan Batu
244 Tapanuli Tengah
245 Tapanuli Selatan
246 Tapanuli Utara
247 Nias
248 Dairi
249 K. Medan
250 K. Pematangslantar
251 K. Tanjung Balai
252 K. Binjai
253 K. Tebingtinggi
254 K. Sibolga
255 Pontianak
256 Sambas
257 Ketapang
258 Sanggau
259 Sintang
260 Kapuas Hulu
261 K. Poncianak
262 Kapuas
263 Barito Utara
264 Barito Selatan
265 Kota War.Lngln Barat
266 Kota WarIngIn Timur
267 Kahayan Hulu
268 Katingan
269 Barito Timur
270 Murung Raya
271 K. Palangka Raya
272 Maluku Tengah
273 Maluku Tenggara
274 Halmahera Tengah
275 Maluku Utara
276 K. Ambon
277 Jayapura

E471   1971 PROPORTION OF WOMEN 15-34 WITH

1. attending school
2. not attending school

POB	PLACE OF BIRTH	30

    1-26 PROVINCE
    27   UNKNOWN
    29   ABROAD

PRESIDEN	PREVIOUS RESIDENCE	31

    1-26 PROVINCE
    27   UNKNOWN
    28   ABROAD
    97   NON MIGRANT

CEB	CHILDREN-EVER BORN	32
CS	CHILDREN STILL LIVING	33
OCC	OCCUPATION	34

    0. NOT APPLICABLE
    OTHER CODINGS ARE THE SAME AS ORIGINAL ONES

IND	INDUSTRY	35

    0. NOT APPLICABLE
    OTHER CODINGS ARE THE SAME AS ORIGINAL ONES

WORK	WORK LAST WEEK	36

    1   worked last week
    2   did not work last week
    9   UNKNOWN

WKSTAT	WORK STATUS	37

    0   NOT APPLICABLE
    1   OWN ACCOUNT WORKER
    2   EMPLOYER
    3   EMPLOYEE
    4   UNPAID FAMILY WORKER
    5   Unknown

MATCH	HUSBAND MATCH	38

    0   NO HUSBAND MATCH
    1   HUSBAND MATCH

HAGE	HUSBAND AGE	39
HHILEVEL	HUSBAND EDUCATIONAL ATTAINMENT	40

    0   EDUCATION
    1   SOME PRIMARY
    2   COMPLETE PRIMARY
    3   JUNIOR HIGH SCHOOL
    4   SENIOR HIGH SCHOOL

	5	VOCATIONAL JUNIOR HIGH	
	6	VOCATIONAL SENIOR HIGH	
	7	ACADEMY	
	8	UNIVERSITY	
	9	NO ANSWER	

HLIT   HUSBANDS LITERACY   41
- 1   LATIN CHARACTERS
- 2   OTHERS
- 3   NO
- 9   NO ANSWER

HSCATT   HUSBAND SCHOOL ATTENDANCE   42
- 1   attending school
- 2   not attending school

HOCC   HUSBANDS OCCUPATION   43
- 0   NOT APPLICABLE
OTHER CODINGS ARE THE SAME AS ORIGINAL ONES

HIND   HUSBANDS INDUSTRY   44
- 0   NOT APPLICABLE
OTHER CODINGS ARE THE SAME AS ORIGINAL ONES

HWORK   HUSBAND WORK LAST WEEK   45
- 1   worked last week
- 2   did not work last week
- 9   UNKNOWN

HWKSTAT   HUSBANDS WORK STATUS   46
- 0   NOT APPLICABLE
- 1   OWN ACCOUNT WORKER
- 2   EMPLOYER
- 3   EMPLOYEE
- 4   UNPAID FAMILY WORKER
- 9   Unknown

NKIDS   NUMBER OF MATCHED CHILDREN   47

C1   AGE OF IST MATCHED CHILD   48

C2   AGE OF 2ND MATCHED CHILD   49

C3   AGE OF 3RD MATCHED CHILD   50

C4   AGE OF 4TH MATCHED CHILD   51

C5   AGE OF 5TH MATCHED CHILD   52

C6   AGE OF 6TH MATCHED CHILD   53

C7   AGE OF 7TH MATCHED CHILD   54