



TS205

Exploring Poverty Eradication Strategy Due to Climate Change: A Focus Group Discussion among Housewives in Sabak Bernam

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SURVEY with housewives in Sabak Bernam

24 JAN 2025



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FGD Informants (housewives) and Moderators in Sabak Bernam 24 JAN 2025

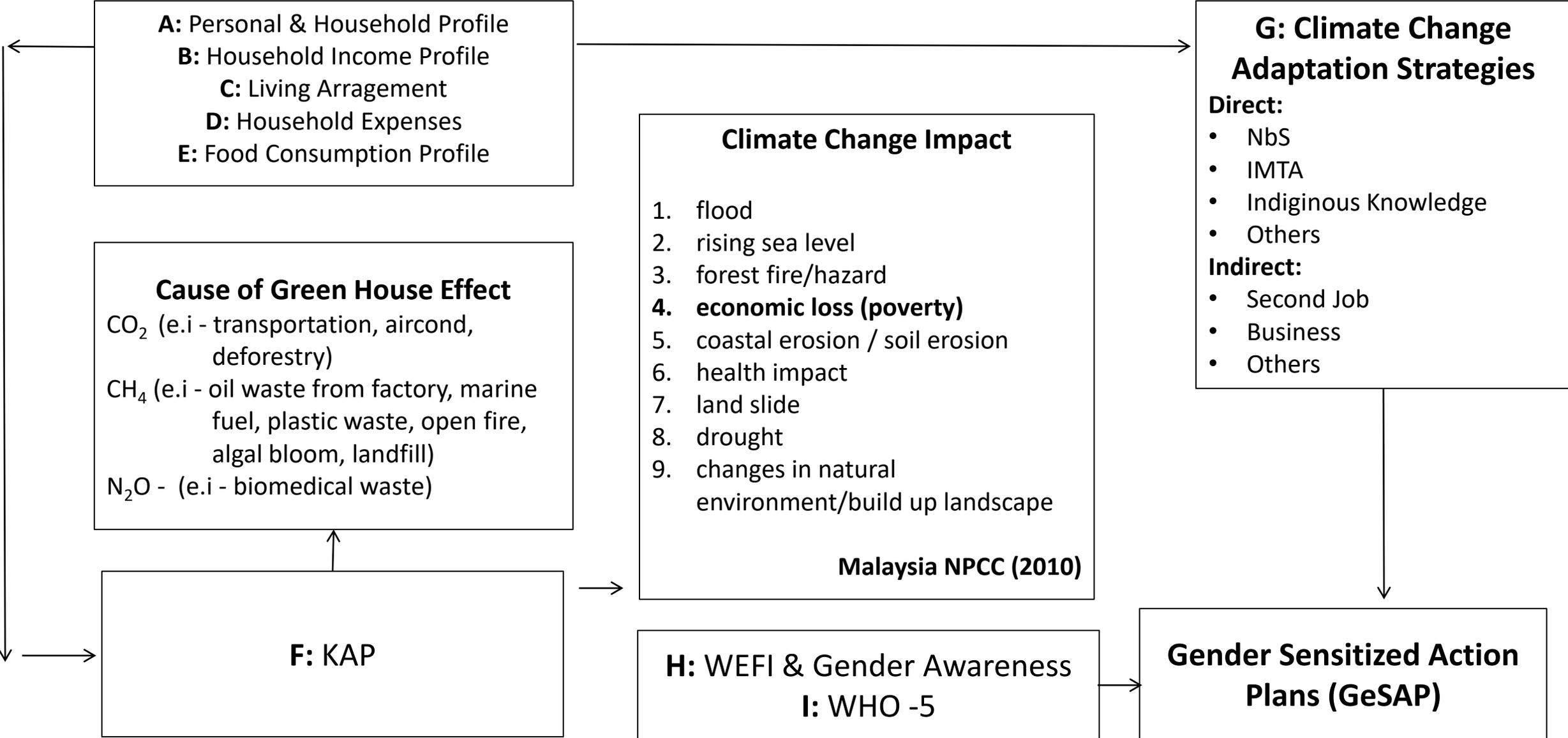


- This study MAINLY focus on **Poverty Eradication Strategy (PES)** due to the impact of climate change among housewives in Sabak Bernam Selangor, who have **Climate Change Experience (CCE)**
- First PES was presented quantitatively (from SURVEY) then qualitatively (from FGD)
- Findings in SURVEY by sex disaggregated, and in FGD was focusing to housewives (women)



SURVEY among housewives in Sabak Bernam, 24 JAN 2025

Research Framework





Methods

- Location: Sabak Bernam, a coastal district in Selangor state located at Malacca Strait of Peninsular Malaysia.
- Two data sources:
 1. the **SURVEY** ($n=274$); and $n=226$ (39.42%) of respondents with CCE
 2. Focus Group Discussion (**FGD**). The survey was among $n=274$, - the responses are by sex disaggregation and in four levels as in Table 1.





Sampling Frame

Sub-district	Sabak		Pasir Panjang		Sungai Panjang		Bagan Nakhoda Omar		Panchang Bedena		Total
	M	F	M	F	M	F	M	F	M	F	
Sabak Bernam	30	30	30	30	30	30	30	30	30	30	300



Question in the SURVEY on poverty experience - Q9 (Part G[ii]):-

Did your experience increase of your household poverty due to vulnerability and impact of climate change disasters?

1. YES, significantly
2. YES, moderately
3. NO impact
4. Not sure

n=260 (96.89%)



Question in the SURVEY on CCE - Q3 (Part G[i]) :-

What type of disasters that you use to experience at your place?

1. flood
2. high tide
3. drought
4. storm
5. others

n=238 (86.86%) (n multiple responses=441) with CCE=yes

(answer 1-4 from climate change, answer in 5 will be categorised as CCE YES/NO)



Poverty Eradication Strategy (PES) in the Questionnaire:

- Strategy 1 (S1): sources of income diversification
- Strategy 2 (S2): migration to other places
- Strategy 3 (S3): selling the household assets
- Strategy 4 (S4): participating in government or NGO aid programs on poverty eradication
- Strategy 5 (S5): reducing household size (e.g., reducing number of children, reducing consumption)
- Strategy 6 (S6): changing agriculture practise /S9/S10/S11



Poverty Eradication Strategy (PES) in the Questionnaire:

- Strategy 7 (S7): increasing the use of green and sustainable technologies /S4/S5/S10
- Strategy 8 (S8): using water and energy-saving systems
- Strategy 9 (S9): sharing resources with neighbors and the community
- Strategy 10 (S10): efforts to protect house infrastructure
- Strategy 11 (S11): increase knowledge and education on climate changes
- Strategy 12 (S12): doing business
- Strategy 13 (S13): others represent Strategy



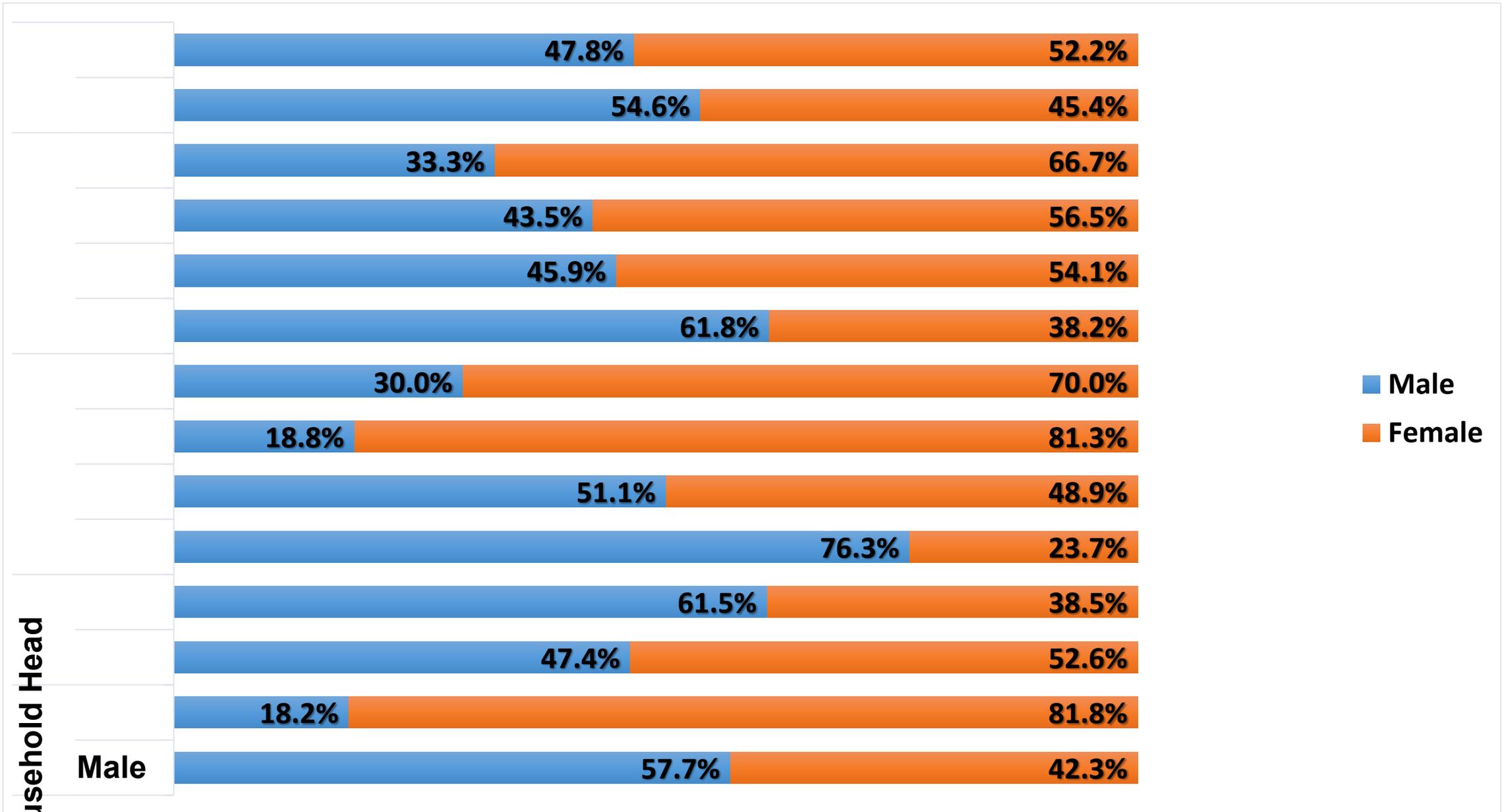
Profile of Respondents in the SURVEY

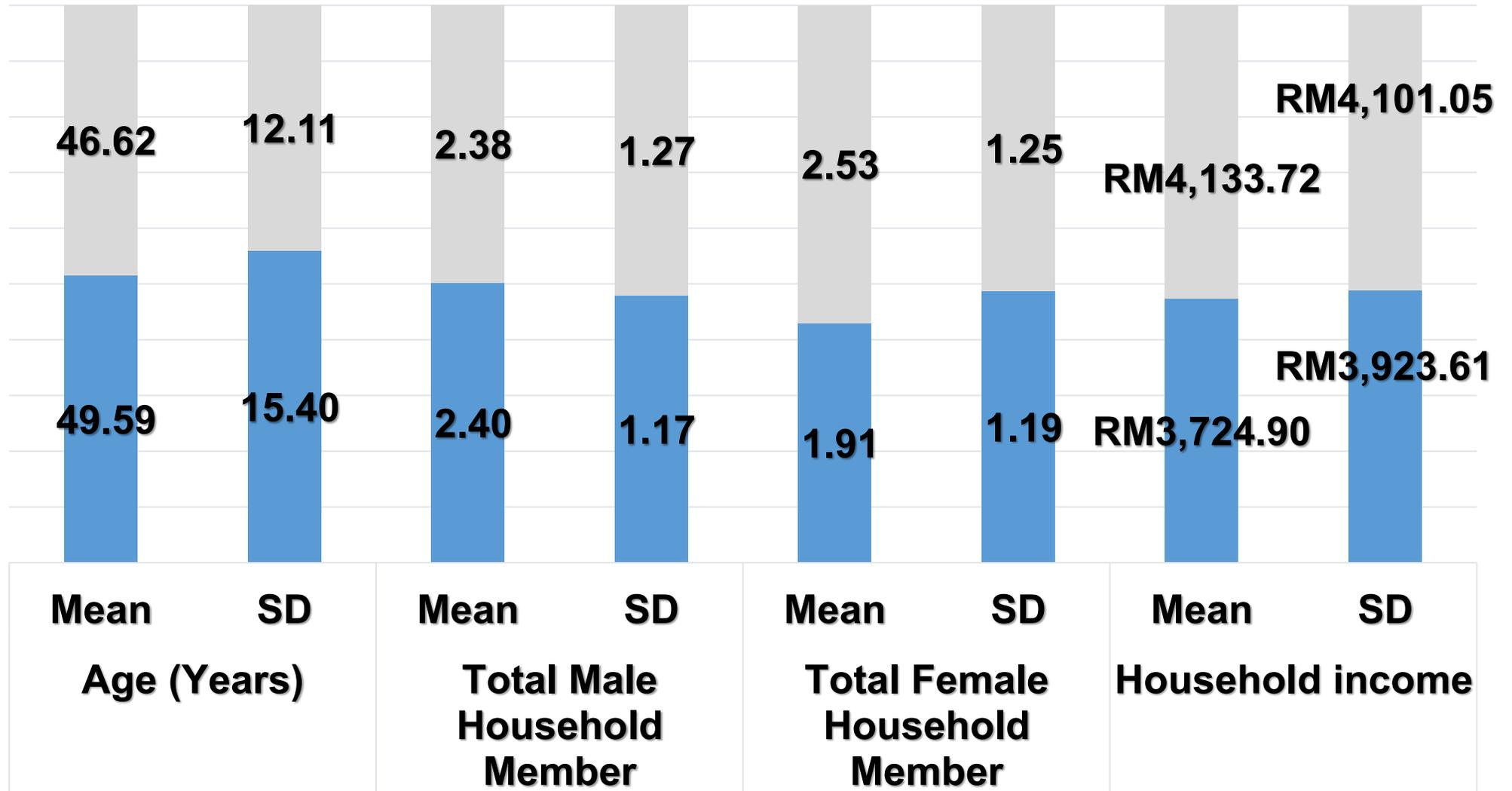


n=260 (96.89%) answer the question on levels of household POVERTY experience - Q9

n=238 (86.86%) answer the question on CCE (yes/no) - Q3=yes [multiple responses]

n=227 (82.85%) answer the question on levels on POVERTY experience on their households' poverty with CCE - Q9 & Q3=yes





Male/Female Headed Household

→ **Male** **Female**



Relationship between experience an increase of household poverty due to climate change and sex of respondents



Relationship between Impact of CCE on Household Poverty and Gender of Household Head by Sex of the Respondent ($n=236$)

Respondent	Yes, significantly		Yes, moderately				No increase				Not sure					
	Male Headed		Female Headed		Male Headed		Female Headed		Male Headed		Female Headed					
	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%				
Male	25	10.59	-	-	51	21.61	5	2.12	31	13.14	2	0.85	15	6.36	2	0.85
Female	9	3.81	-	-	36	15.25	14	5.93	24	10.17	4	1.69	14	5.93	4	1.69
Total	34	14.40	-	-	87	36.86	19	8.05	55	23.31	6	2.54	29	11.99	6	2.54

Note: $p < 0.05$ through Chi-square test



- **ONE-THIRD** ($n=236$) of respondents in SURVEY ($n=274$) experience climate change impact on household poverty;
- among them, about **ONE-THIRD** are males and **A QUARTER** of females who responded that climate change has an impact on their household poverty.
- meaning many **males experience household poverty** than female respondents
- So FGD was conducted among females to capture on Poverty Eradication Strategies (**PES**)



Poverty Eradication Strategy (PES) by sex disaggregation - SURVEY



CCE on Household Poverty	Yes, significantly				Yes, moderately				Not increase			
Gender	Male		Female		Male		Female		Male		Female	
<i>n</i> (%)	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%
S4: participating in government or NGO aid programs on poverty eradication	5	11.63	3	6.98	9	20.93	14	32.56	2	4.65	3	6.98
S8: using water and energy-saving systems	6	12.00	4	8.00	7	14.00	13	26.00	8	16.00	4	8.00
S11: increase knowledge and education on climate changes	6	22.22	1	3.70	4	14.81	7	25.93	1	3.70	5	18.52

n=227 (only with household data) 110225: IMTA-RESQ (AQUADAPT-IDRC)

***p*<0.05, Chi Square**

PES

S13: others

S12: doing business

S11: increase knowledge and education on climate changes

S10: efforts to protect house infrastructure

S9: sharing resources with neighbors and the community

S8: using water and energy-saving systems

S7: increasing the use of green and sustainable technologies

S6: changing agriculture practise

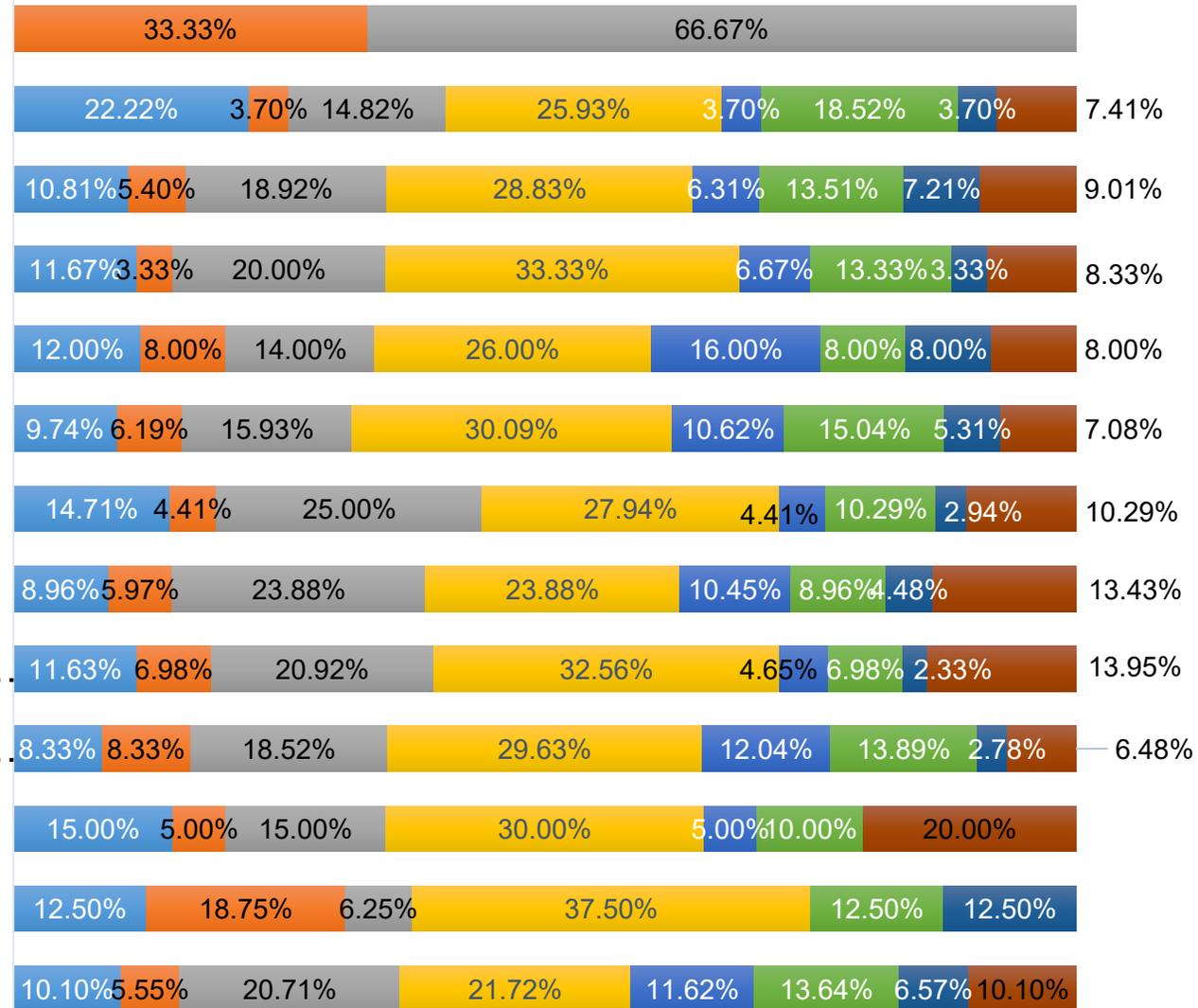
S5: reducing household size (e.g., reducing number of children,...

S4: participating in government or NGO aid programs on poverty...

S3: selling the household assets

S2: migration to other places

S1: diversifies sources of income



CCE - climate change give impact to household poverty?



■ Yes, significantly Male
 ■ Yes, significantly Female
 ■ Yes, moderately Male
 ■ Yes, moderately Female
■ Not increase Male
 ■ Not increase Female
 ■ Not sure Male
 ■ Not sure Female

S4, S8, S11 with Yes, moderately ($p < 0.05$ through Chi-square test)



To explore the PES use by the housewives.



FGD Findings

Concluded on 3-theme of PES which are:-

1. good practices of personal finance
2. agricultural activities
3. venture into business



FGD among Housewives at Sabak Bernam on 24 JAN 2025



Conclusion of respondents' profile by sex disaggregation (RO1):-

- descriptively - men are **vulnerable**, and women are able-body.
- four vulnerable group in this study are the **disabled, older adults, youth and day-pay workers.**
- they are all from **poor** household
- descriptively females are the majority in all types of health status especially in poor **health status.**



Conclusion on RO2 - Relationship between Impact of CCE on Household Poverty and Gender of Household Head by Sex of the Respondent.

- Only for “**YES, moderately**” impact of CCE on household poverty show significant relationship with gender of the household head by sex of the respondent
- **Male** respondents from male-headed household shows the highest percentage (21.61%), which reflect that they may directly involve in fisheries activities and main contributor to the family. Thus, men feel the impact of CCE to the household poverty.



Conclusion on RO3 (Poverty Eradication Strategy (PES) by sex disaggregation). Three **PES** are significant, under “**YES, moderately**” impact of CCE among **MALE** respondents are:-

- Strategy 4 (**S4**): participating in government or NGO aid programs on poverty eradication (**mainly female % > male %**)
- Strategy 8 (**S8**): using water and energy-saving systems (**mainly female % > male %**)
- Strategy 11 (**S11**): increase knowledge and education on climate changes (**mainly female % > male %**)



Conclusion on RO4 (To explore the PES use by the housewives) obtained three conclusions:-

1. good practices of personal finance
2. agricultural activities
3. venture into business



Wirh ONE word propose Climate Change Adaptation Strategy in regards of
POVERTY.



Answer



Thank You!

