

KAP and Lived Experiences of Smallholder Swine Farmers on ASF in Southern Philippines



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SOCIO-ECONOMIC IMPACT OF AFRICAN SWINE FEVER

- African swine fever has significant global impact, particularly in agricultural markets and pig rearing industry.
- Economic consequences in developing countries impact livelihoods and families.
- Philippines experienced ASF outbreaks leading to significant pig deaths and economic losses.



KAP and LIVED EXPERIENCES

- The KAP survey is quantitative and qualitative, used for enhancing knowledge and attitudes.
- KAP survey on ASF aids disease surveillance, farmer awareness, and early detection.
- Lived experience in qualitative phenomenological research represents a person's experiences, insights, and gained knowledge.
- Lived experience study aims to understand, describe, and thematize individual experiences systematically.



Objective

- Determine the level of Knowledge, attitude, and practices of backyard farmers in Mindanao
- Assess the lived experiences of backyard swine farmers in Mindanao



Methodology- KAP Survey

- Consent Forms
- Respondents- Backyard Swine Farmers 144/site
- Individual Interview



QUESTIONNAIRE (KAP) Translated to the local language
pre validated; used Likert's scale for scoring
triangulated; FGD

Data Analysis



Methodology: Lived Experiences

- At least 4 backyard/ study site swine owners were interviewed
- Use of a semi-structured interview guide question, field notes, observation checklist; voice recorder
- Transcribing recorded interview
- Analysis- MAXQDA (VERBI Software (Berlin, Germany) qualitative software program
Phenemology data analysis Model of Colazzi(1978);Morrow, Rodriguez & King, 2018

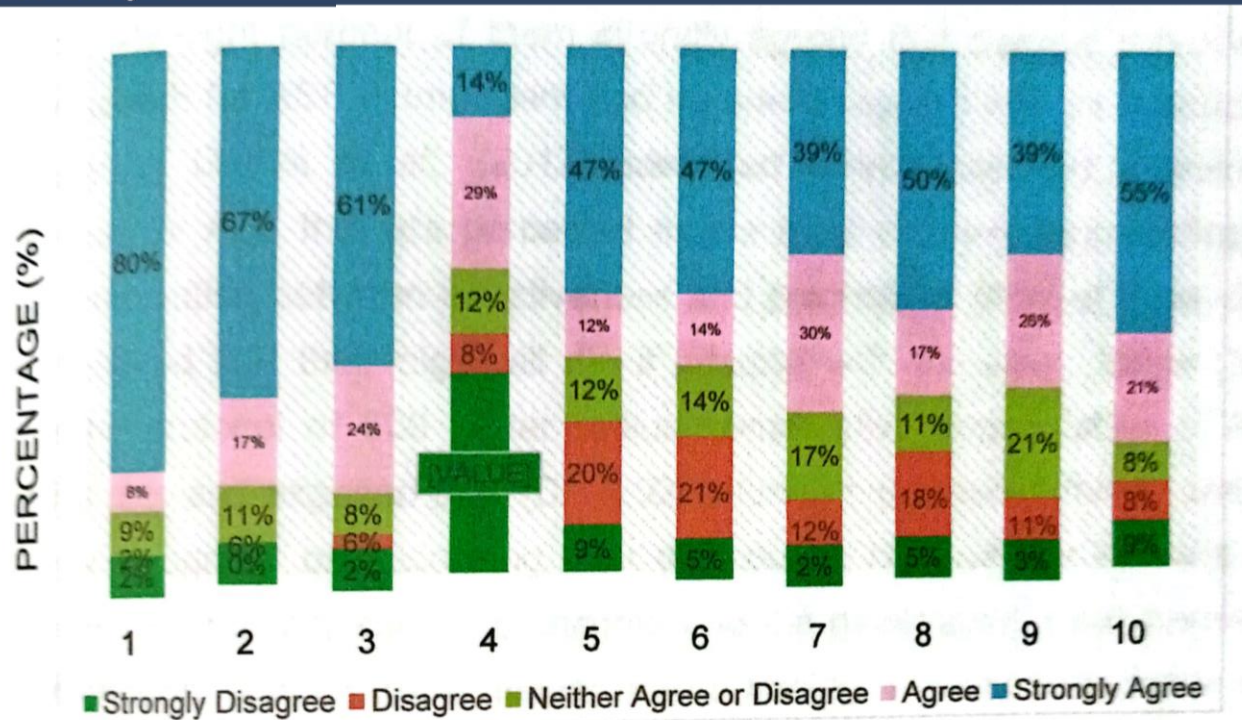


KAP and LIVED EXPERIENCES



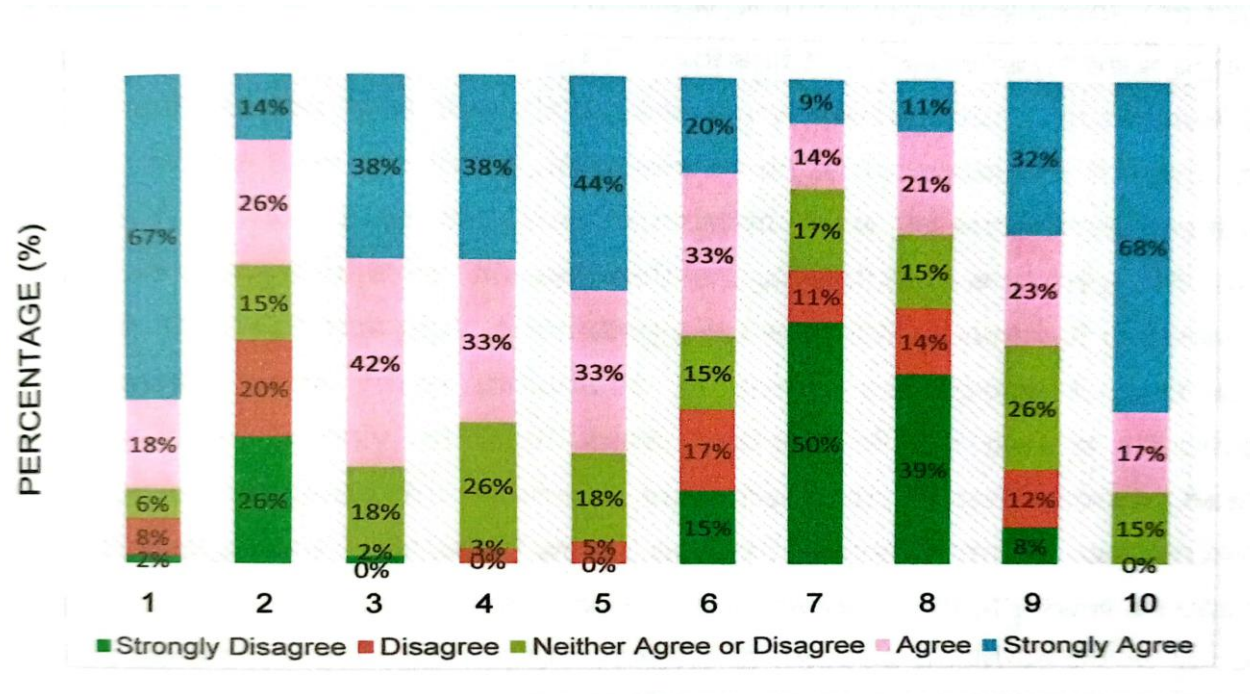


KAP and LIVED EXPERIENCES in MISAMIS ORIENTAL



Basic knowledge of respondents towards African Swine Fever

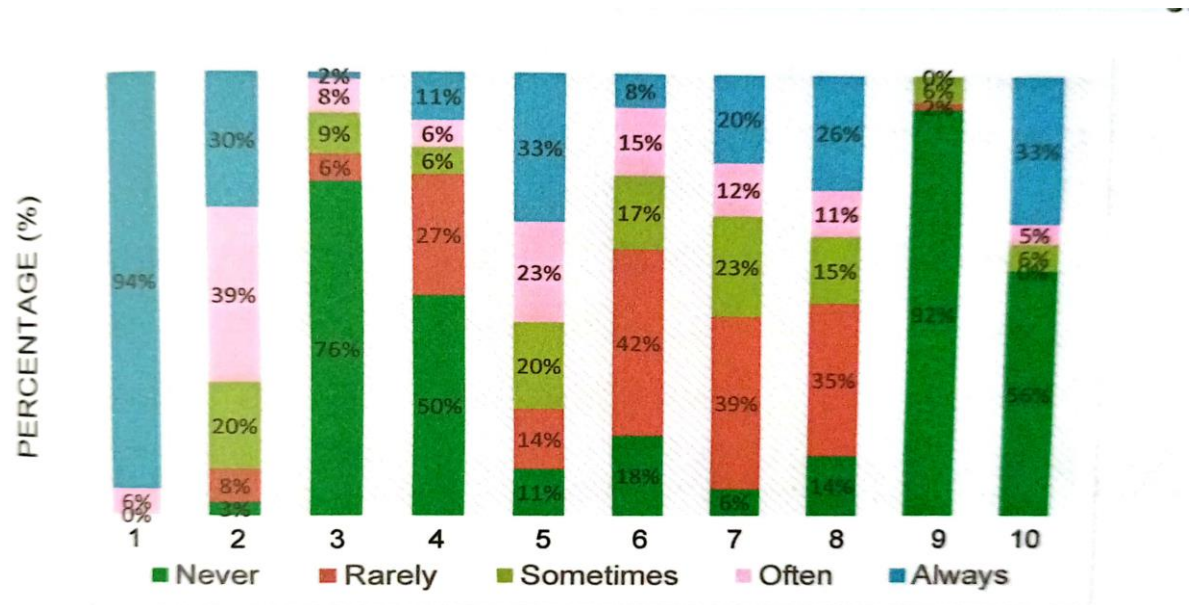
	(%) OF CORRECT	MEAN	DESCRIPTIVE RATING	QUALITATIVE INTERPRETATION
Knowledge	69.85%	3.94	Agree	Average



Attitudes of respondents towards African Swine Fever

	(%) OF CORRECT	MEAN	DESCRIPTIVE RATING	QUALITATIVE INTERPRETATION
Attitudes	75.52%	3.57	Agree	Favorable





Practices of respondents towards African Swine Fever

	(%) OF CORRECT	MEAN	DESCRIPTIVE RATING	QUALITATIVE INTERPRETATION
Practices	66.00%	3.18	Sometimes	Moderate

THEMES	CATEGORIES
1. Transmission of the virus	<ul style="list-style-type: none"> a. Swill feeding b. Fomites
2. Impact on Livelihood	<ul style="list-style-type: none"> a. Loss of income b. Economic crisis c. Price increase in pork
3. Preventive Measures	<ul style="list-style-type: none"> a. Avoidance of swill feeding b. Biosecurity c. Limitations of visitors
4. Insufficient Information and Misconception	<ul style="list-style-type: none"> a. Airborne virus b. Zoonotic disease



1. Transmission of the virus

- The movement of contaminated pork products and swill feeding of domestic swine have been important factors of ASF outbreaks

2. Impact on Livelihood

- Residents here are not yet affected by ASF however they are well versed with the impacts on their livelihood.



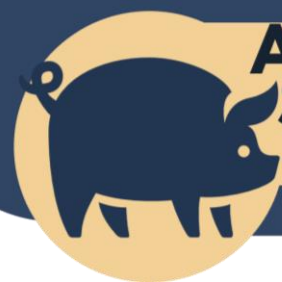
3. Preventive Measures

- Residents were quite familiar with the preventive measures enforced by the DA.

4. Insufficient information and misconceptions

- Even with the national and local government postings and campaigns on ASF, some of the residents in Misamis Oriental were still unaware of how the virus is spread.



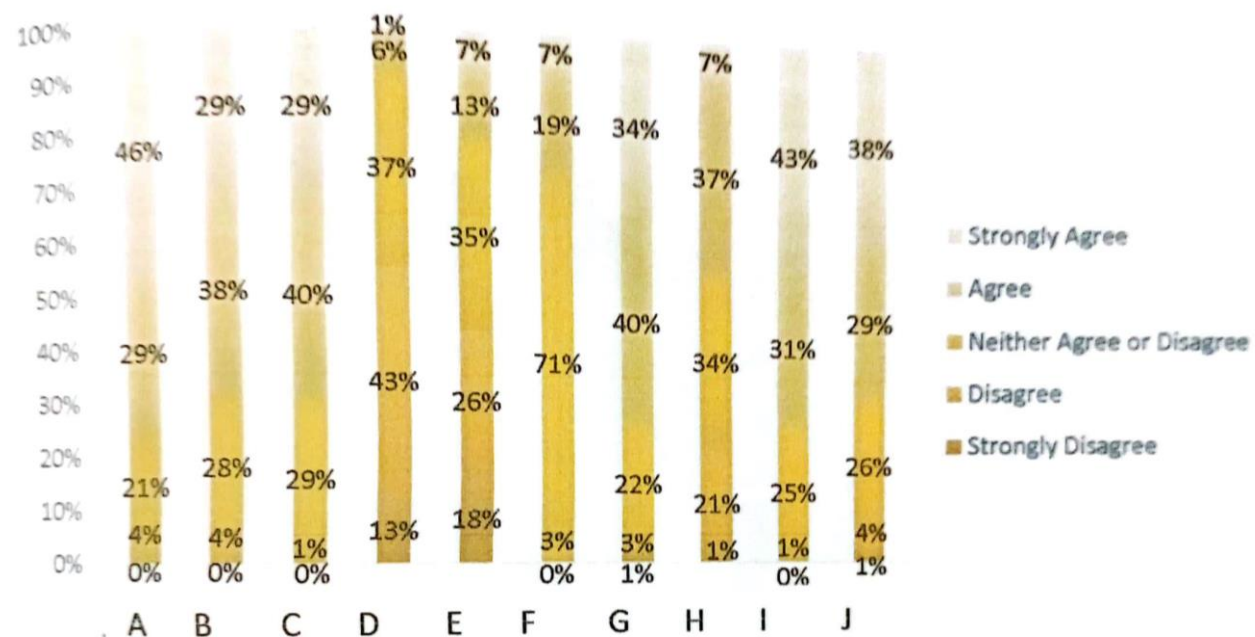


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KAP and LIVED EXPERIENCES





MEAN

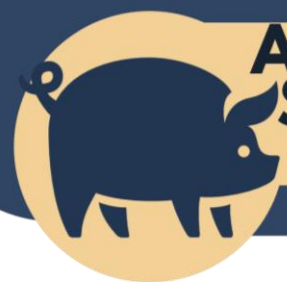
DESCRIPTIVE
RATING

Knowledge

3.39

Uncertain

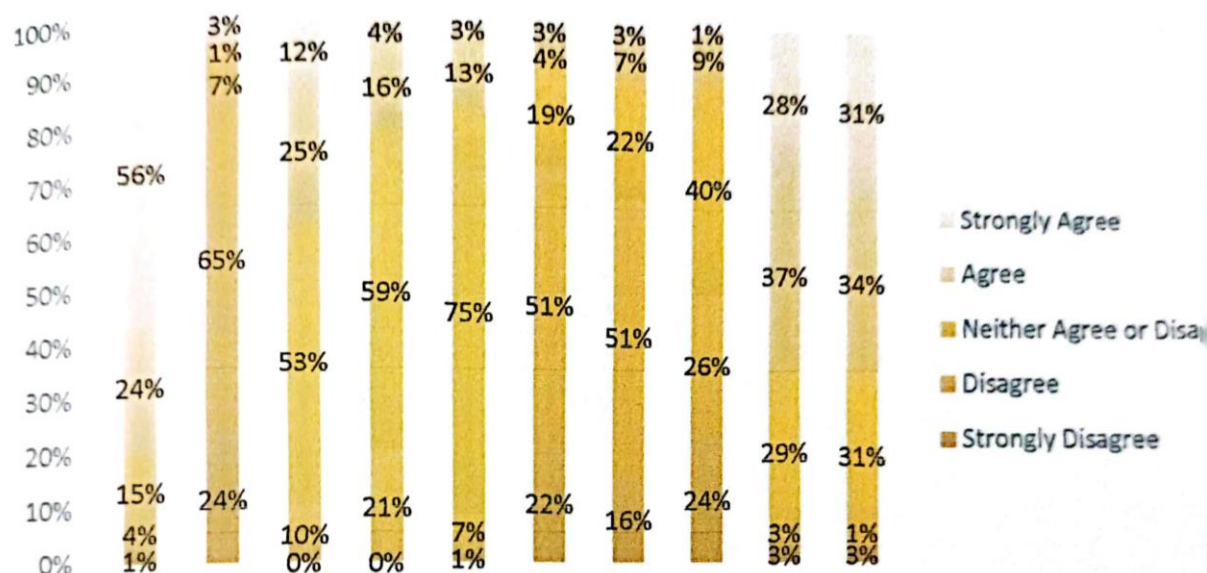




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KAP and LIVED EXPERIENCES in ZAMBOANGA SIBUGAY



MEAN

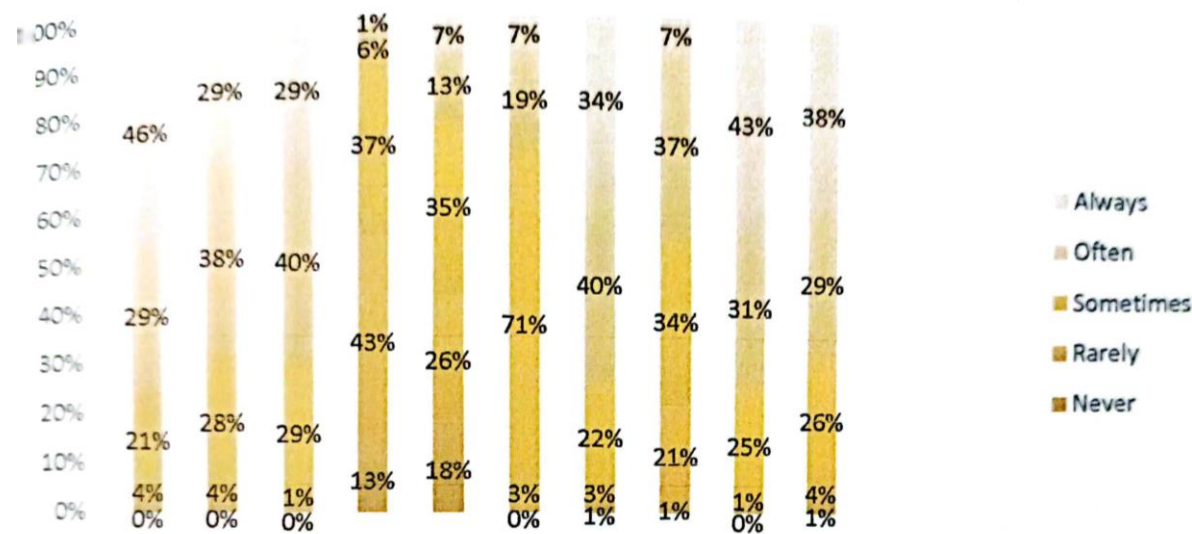
DESCRIPTIVE
RATING

Attitude

3.46

Uncertain





- Always
- Often
- Sometimes
- Rarely
- Never

	MEAN	DESCRIPTIVE RATING
Practices	3.18	Sometimes



Table 10. Lived Experiences Themes.

THEMES
1. Insufficient Information and Misconception on ASF
2. Transmission of the virus
3. Impact of ASF on Livelihood
4. Preventive Measures



1. Insufficient Information and Misconception of ASF

-All of the respondents in Zamboanga Sibugay have heard about ASF; however, their understanding of the disease, such as its control and transmission, is limited.

2. Transmission of the Virus

- The spread of ASF has accelerated recently as a result of people's lack of understanding of the disease and poor biosecurity efforts.



3. Impact of African Swine Fever on Livelihood

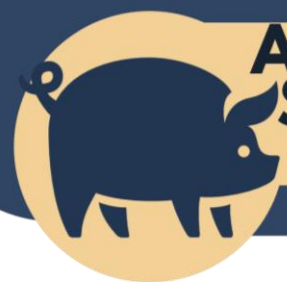
-The majority of hog farmers are aware of the potential impact of ASF on their livelihoods.

4. Preventive Measure

- Prevention against the spread of such disease is very important to keep an area free from ASF and for an economy to prosper fruitfully.



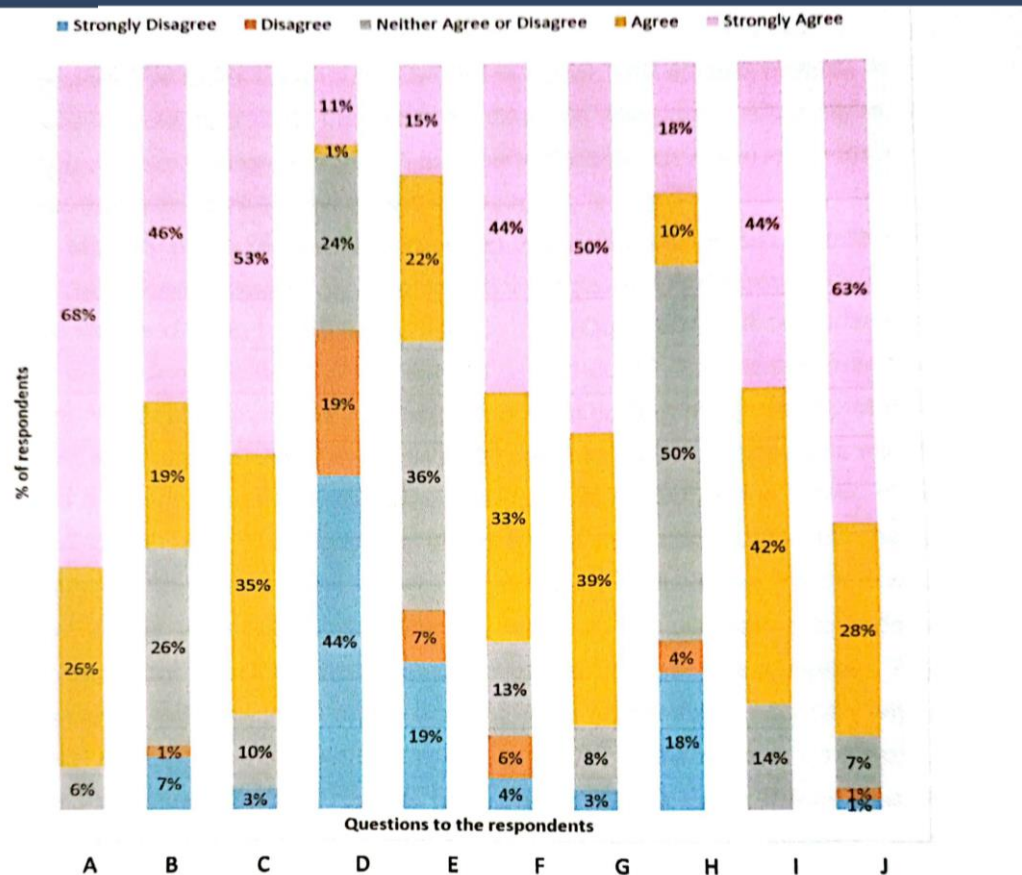




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KAP and LIVED EXPERIENCES in SULTAN KUDARAT



MEAN

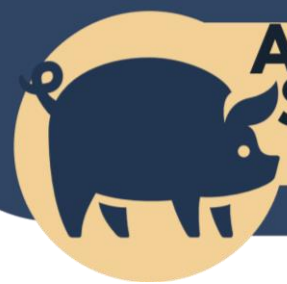
DESCRIPTIVE
RATING

Knowledge

3.94

Agree

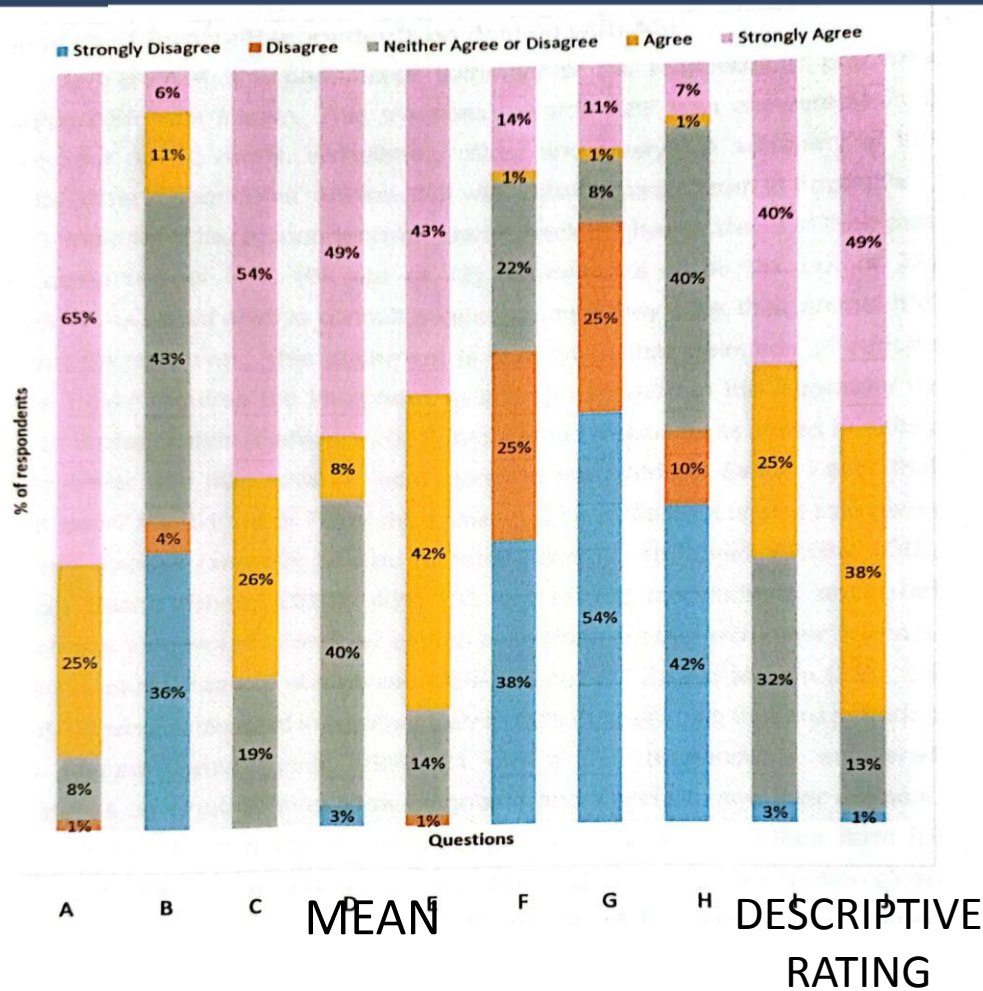




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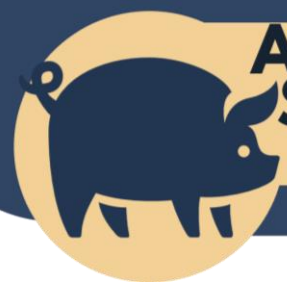


Attitude

3.46

Uncertain

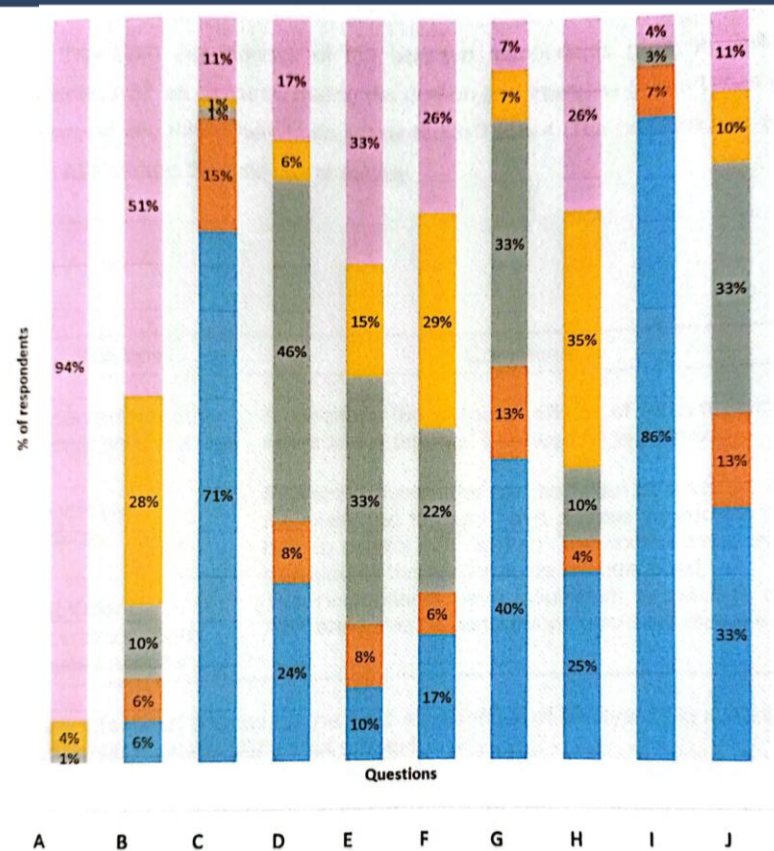




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KAP and LIVED EXPERIENCES in SULTAN KUDARAT



MEAN

DESCRIPTIVE
RATING

Practice

3.18

Sometimes

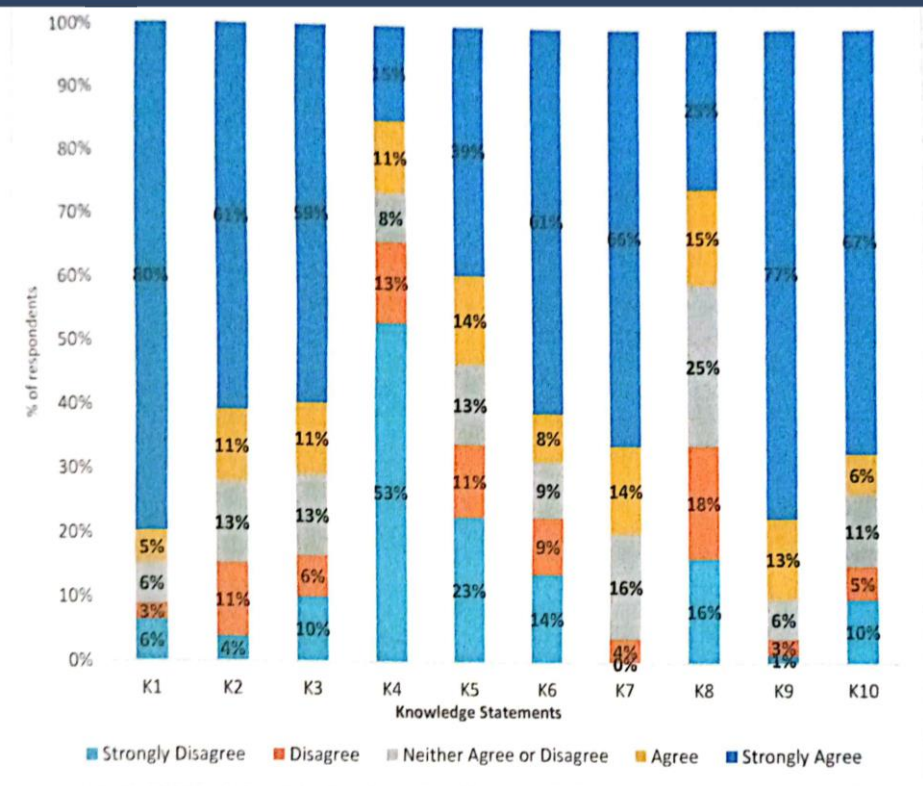




KAP and LIVED EXPERIENCES in SULTAN KUDARAT

Themes	Comments
1. Expected Negative Impact on Livelihood	It describes the expected effects of African Swine Fever to the farmers' livelihood on pig farming.
2. Preventive Measures	Preventive measures can be taken in a variety of methods and farmers have diverse viewpoints on how to control ASF spread. The control measures provided by the respondents are described.
3. Insufficient Information, and Misconceptions	The respondents have insufficient knowledge on ASF and have misconceptions about the disease.





	MEAN	DESCRIPTIVE RATING
Knowledge	3.15	Average

KAP and LIVED EXPERIENCES

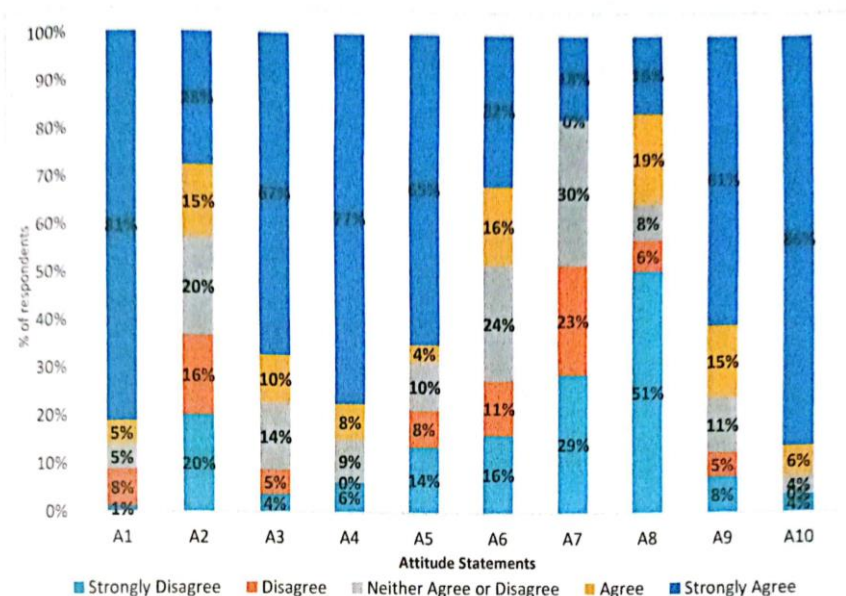


Figure 5. Percentage distribution of the respondents' (n=79) answers for the statements concerning the Attitude on ASF.



	MEAN	DESCRIPTIVE RATING
Attitude	3.27	Average

KAP and LIVED EXPERIENCES

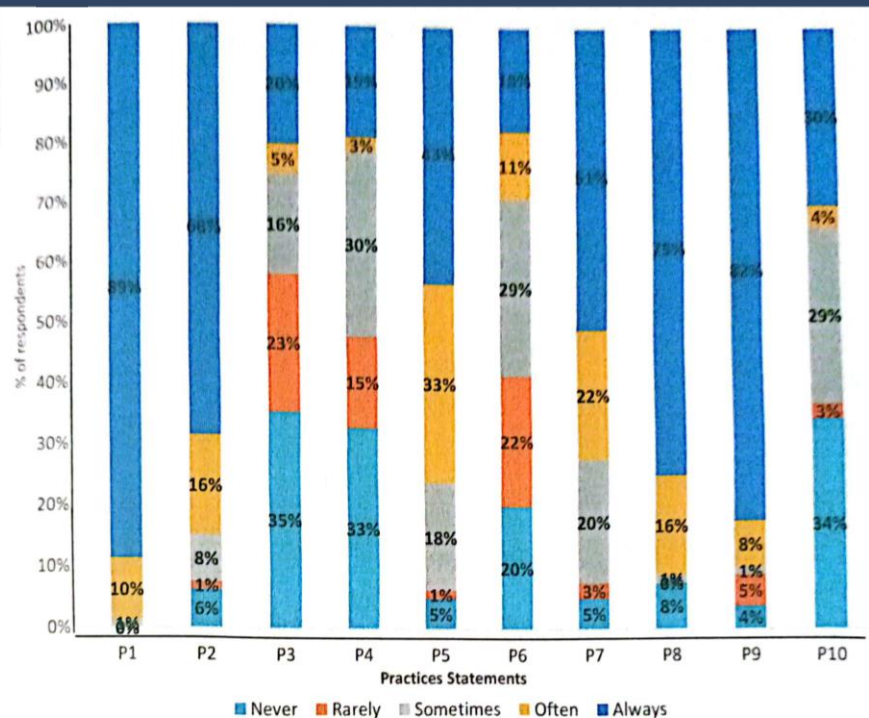


Figure 7. Percentage distribution of the respondents' (n=79) answers for the statements concerning the Practices on ASF.



	MEAN	DESCRIPTIVE RATING
Practice	2.85	Moderate

Table 10. Lived experiences themes.

Themes
1. Impact of ASF on Livelihood
2. Preventive Measures towards African Swine Fever
3. Misconceptions and Insufficient Information on ASF.





Knowledge of backyard pig raisers on ASF is average and their attitudes and practices are favorable and moderate, respectively, for the prevention and control of ASF but reinforcement on some important aspects on the important features, dynamics, control and eradication of ASF is needed.





Terima
kasih!