

END OF PROJECT REVIEW



Australian Centre
for International
Agricultural Research



IndoDairy
Industri Susu Tangguh 2025

The dynamic of ISHS samples: A comparison 2017 Baseline Survey vs 2021 End-line Survey

Indonesian Center for Agricultural Socio
Economic and Policy Studies.
Ministry of Agriculture.

March 2022

SAMPLING DISTRIBUTION UP-DATE PROCESS

September 2021
689 respondents;
600 baseline; 89 IS
Non-beneficiaries = 476
Beneficiaries = 213

**EXIT
SURVEY**

December 2021
480 interviewed; 76 drop;
411 baseline; 69 IS
Non-beneficiaries = 296
Beneficiaries = 184

Oktober 2021 – Update
556 resp “still”; 130 resp “exit”
479 baseline; 77 IS
Non-beneficiaries = 361
Beneficiaries = 195

SAMPLING DISTRIBUTION – UPDATE (before exit survey)

Districts	Cooperatives	Total baseline samples (2017)	New farmers (2018-2019)*	Total responden	No. of exit dairy farmers	Percentages
Bandung	KPBS Pangalengan	300	23	323	77	23,84
Garut	KPGS Cikajang	140	38	178	16	8,99
Cianjur	KPS Cianjur Utara	80	9	89	12	13,48
Bogor	KPS Bogor	15	12	27	8	29,63
Bogor	KUD Giritani	65	7	72	17	23,61
Total		600	89	689	130	18,87

Notes: * New farmers introduced to the project after baseline 2017

END LINE – SURVEY = 480 RESPONDENTS

Cooperatives	Total farmers participated in IndoDairy	Initial checks		Drop During End-line Survey	Final sample interviewed in end-line survey
		exit	stay**		
KPBS Pangalengan	323	77	245	22	223
KPGS Cikajang	178	17	160	41	119
KPS Cianjur Utara	89	11	77	6	71
KUD Giri Tani*	72	17	55	6	49
KPS Bogor	27	8	19	1	18
TOTAL	689	130	556	76	480

Notes:

*) excluding 28 farmers who were only in 2021 incentive study (do not have a full baseline)

***) dairy farmer who stays in the business = the sample in the end-line survey

REASONS FOR “DROP RESPONDENTS” IN ENDLINE SURVEY

Reasons	N	%
Doesn't have any lactating and/or dairy cattle	43	56,6
Still in dairy farming but not producing milk for 2 years	13	17,1
Passed away	8	10,5
Still in dairy farming, but not available due to sick or take care of sick hh members	6	7,9
Moved address	3	3,9
Still in dairy farming but refuse to participate	1	1,3
No reasons	2	2,6
Total	76	100

END LINE – SURVEY = 480 RESPONDENTS

Description	KPBS Pengalengan	KPGS Cikajang	KPS Cianjur Utara	Mandiri Sejahtera & Kania Dairy Farmer's Group (Bogor District)	KUD Giri Tani
	Samples	Samples	Samples	Samples	Samples
Beneficiaries					
ISHS 2017 farmers	22	11	34	8	40
New farmers	19	33	7	7	3
subtotal	41	44	41	15	43
Non-beneficiaries					
ISHS 2017 farmers	182	75	30	3	6
subtotal	182	75	30	3	6
SUBTOTAL	223	119	71	18	49

EXIT SURVEY

Table Reasons from “Exit Respondents (Dairy Farmers) – Updates samples

District	Cooperatives	Q1=0	Q2		
			Q2= moved	Q2= passed away	Q2= others
Bandung	KPBS Pangalengan	77	0	4	73
Garut	KPGS Cikajang	16	2	6	8
Cianjur	KPS Cianjur Utara	12	0	5	7
Bogor	KPS Bogor	8	0	1	7
Bogor	KUD Giritani	17	0	4	13
Total		130	2	20	108

SAMPLING SELECTION METHOD FOR EXIT SURVEY

Table Sampling Selection Process for Exit Survey

Districts	Cooperatives	Total Population (n = 108)	Samples		
			Main Samples	Percentages	Back-up samples
Bandung	KPBS Pangalengan	73	20	27,40	8
Garut	KPGS Cikajang	8	5	62,50	3
Cianjur	KPS Cianjur Utara	7	4	57,14	3
Bogor	KPS Bogor	7	2	28,57	2
Bogor	KUD Giritani	13	5	38,46	4
Total		108	36	33,33	20

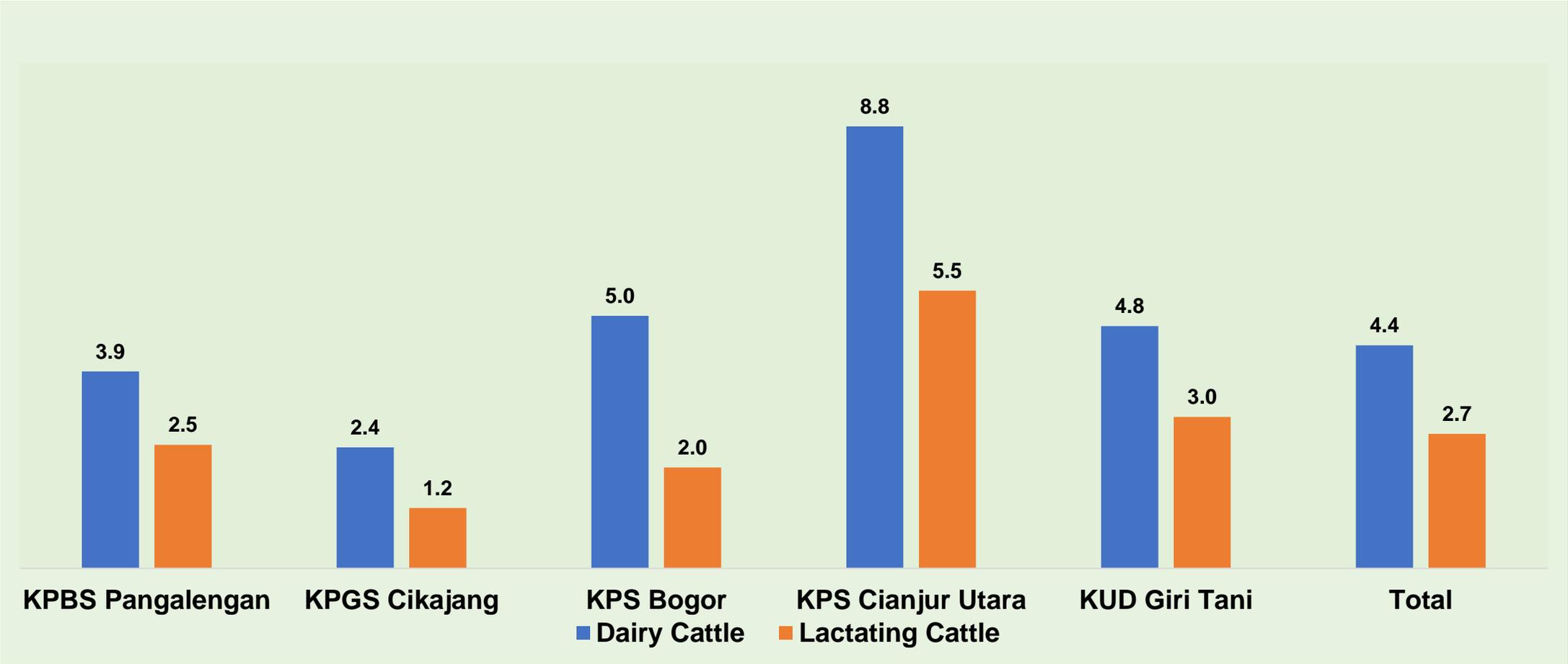
EXIT SURVEY METHODOLOGY

- ❖ All samples (main and back-up) were randomly selected from total exit dairy farmers with reasons “others” (Q2 = 3; population = 108 samples)
- ❖ Using google docs-typed survey, 36 respondents were interviewed (Bandung (20 – 55%); Garut (5 – 14%), Cianjur (4- 11%), Cisarua (5 -14%) and Bogor (2 – 6%). We hired 8 extension officers (local partners at the Coops) as enumerators.
- ❖ 17 questions were asked to the respondents and it covers information on; farm assets (dairy cows and lactating cows); deep-dived questions regarding reasons from “quit from business/as dairy farmers”.
- ❖ 36 respondents ; 92% from baseline survey and 8% from Intervention Surveys

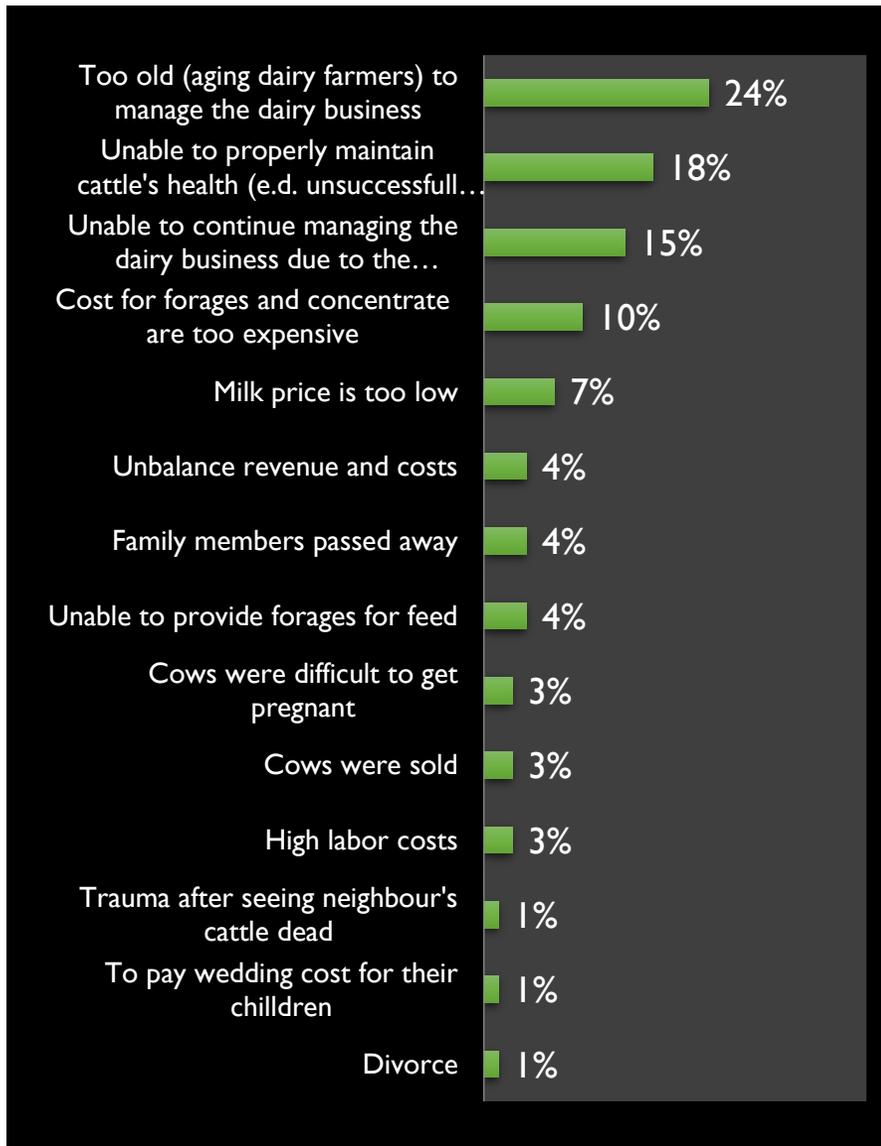
INTERESTING FINDINGS ON EXIT SURVEY "EXIT PERIOD"



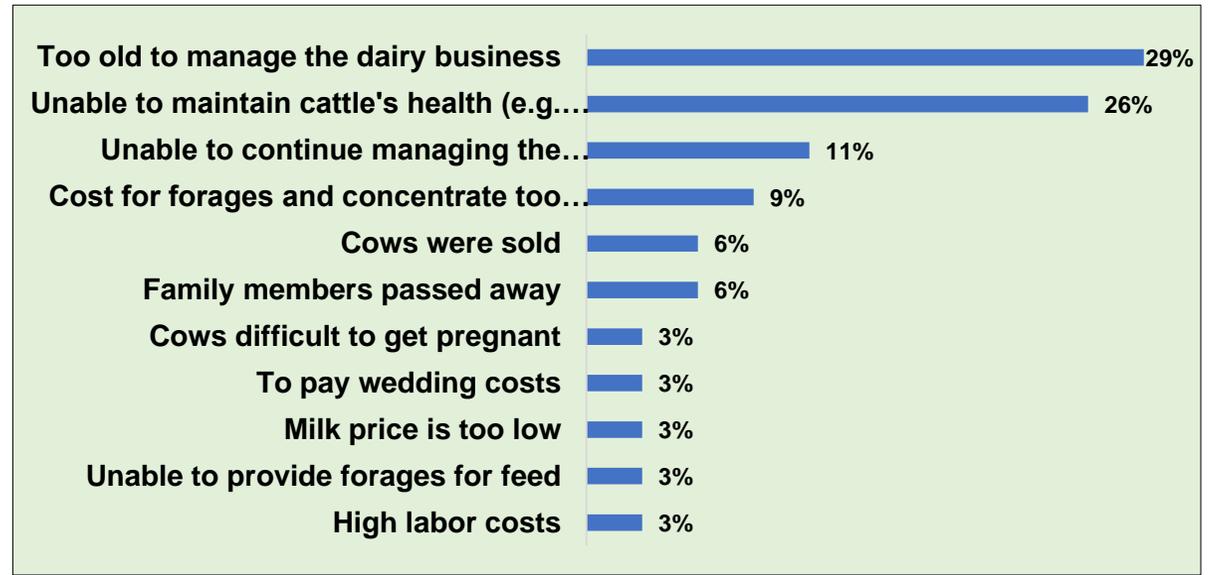
The average cattle ownership (heads)



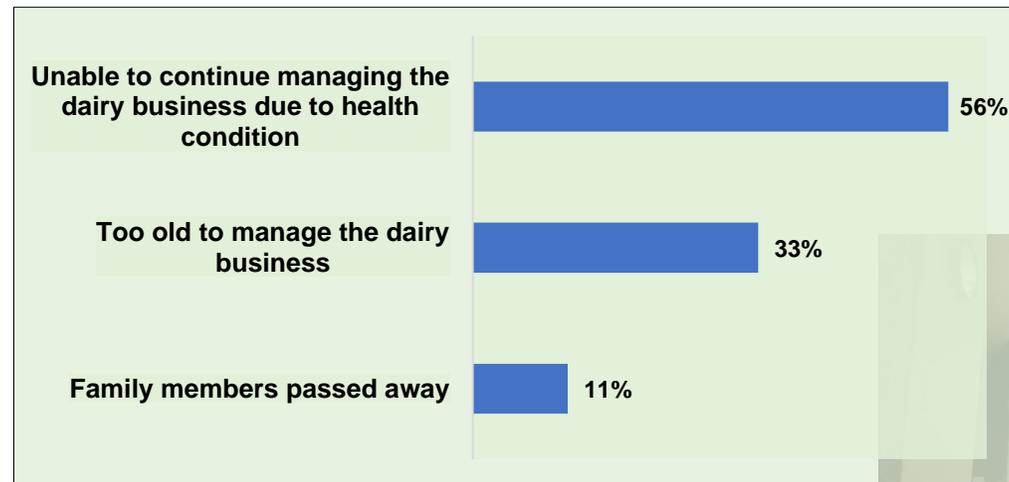
Reasons for exit



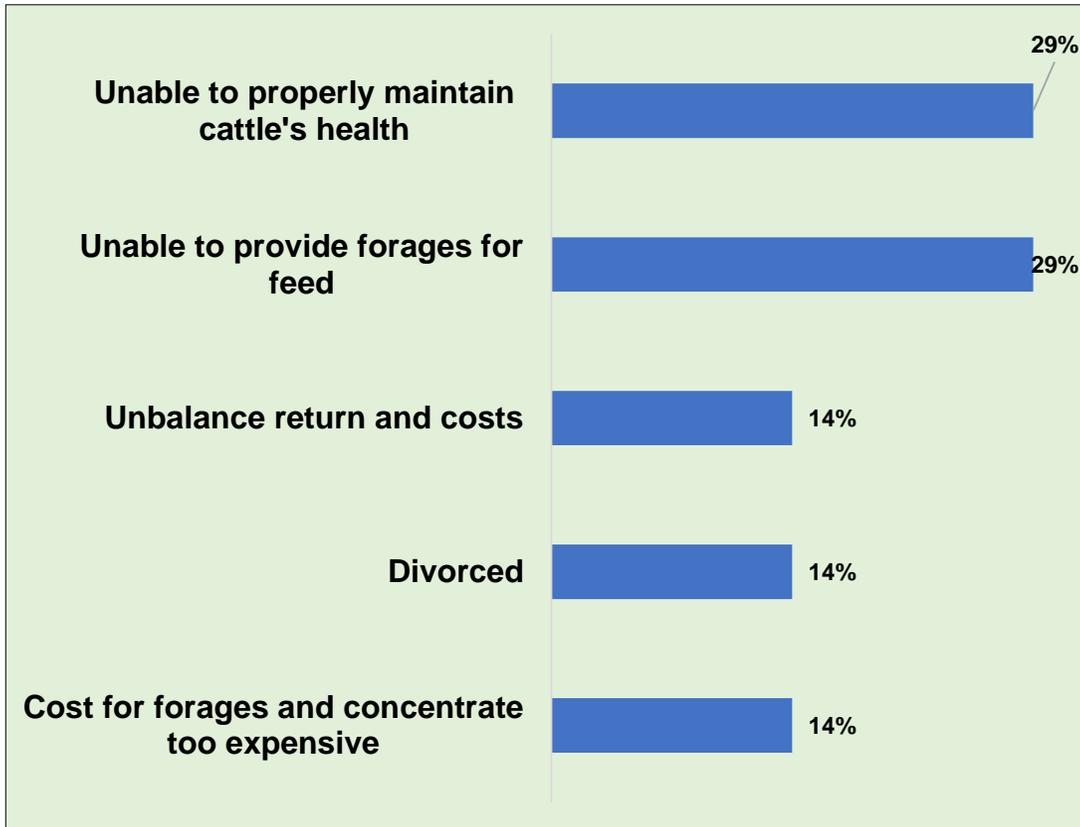
Reasons for exit from dairy business, KPBS Pangalengan



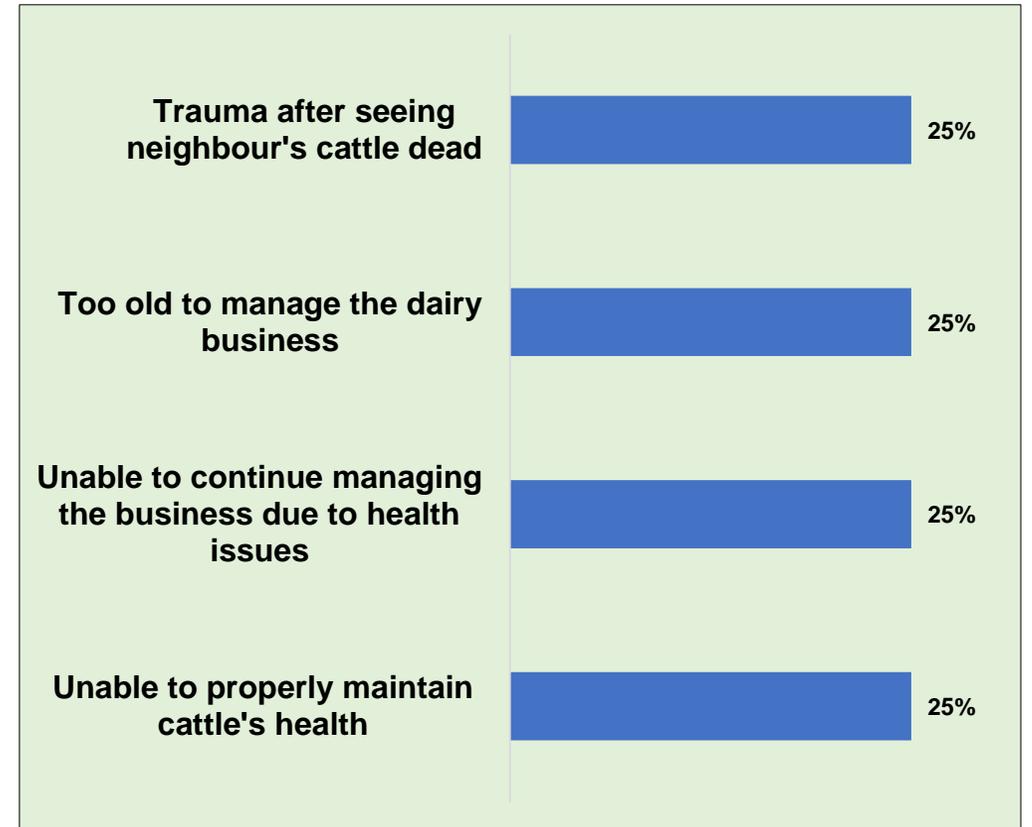
Reasons for exit from dairy business, KGPS Cikajang



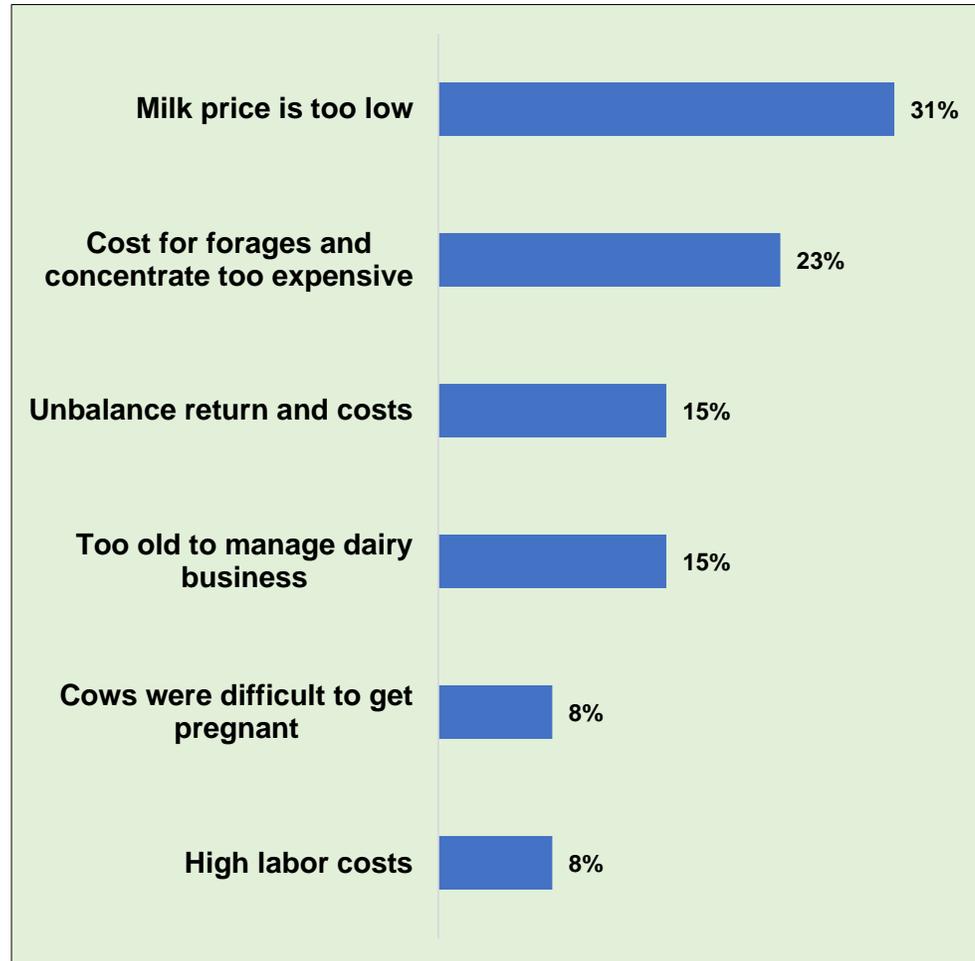
Reasons for exit from dairy business, KPS Cianjur Utara



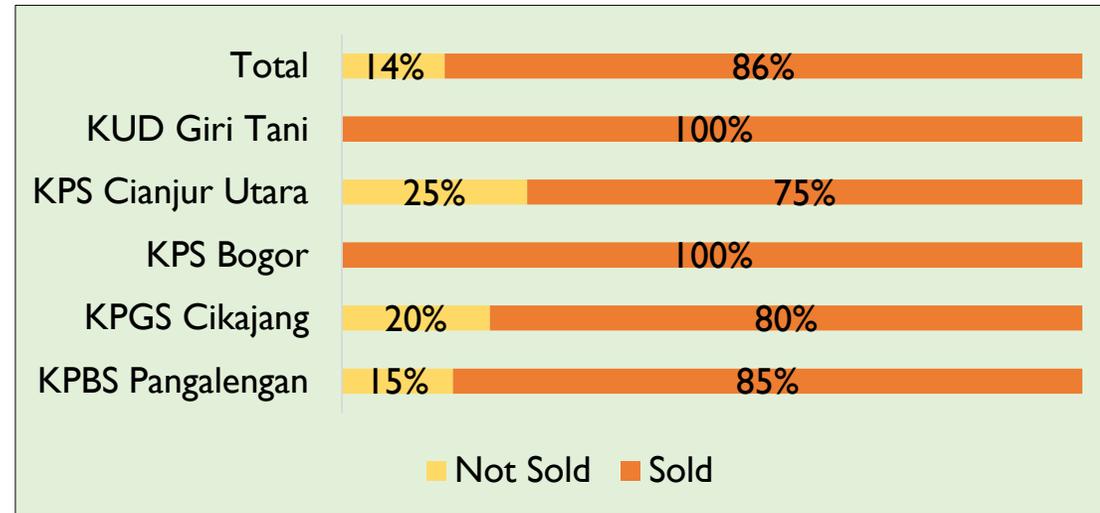
Reasons for exit from dairy business, KPS Bogor



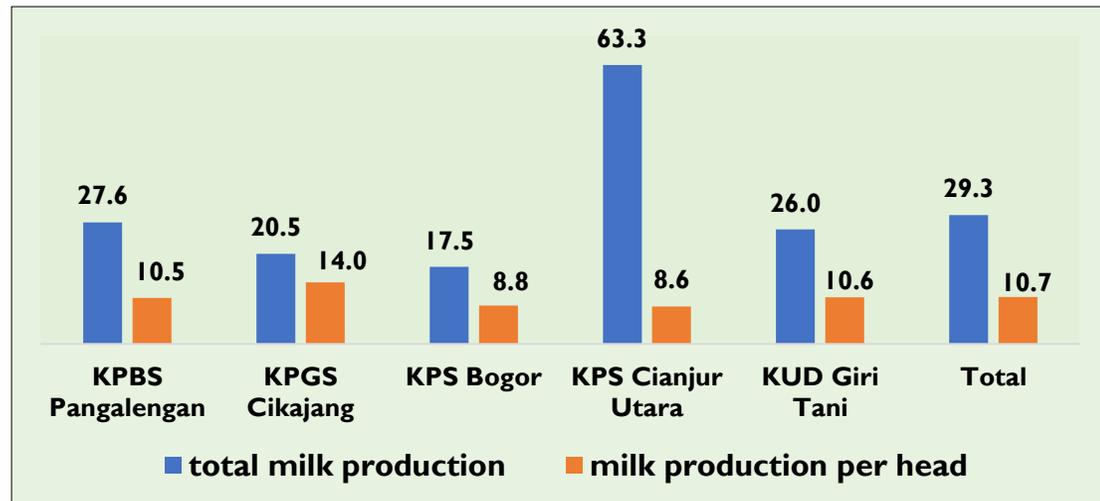
Reasons for exit from dairy business, KUD Giri Tani



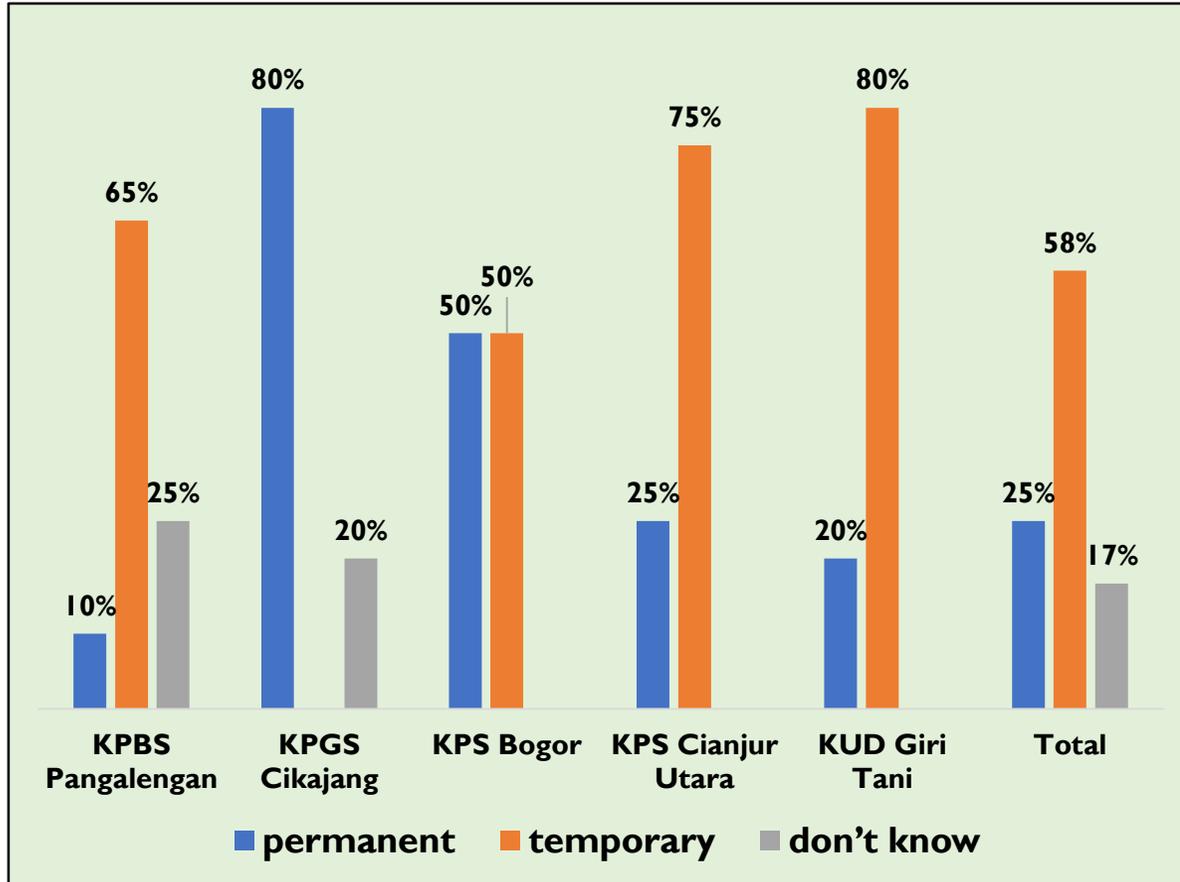
Do they sell their cows?



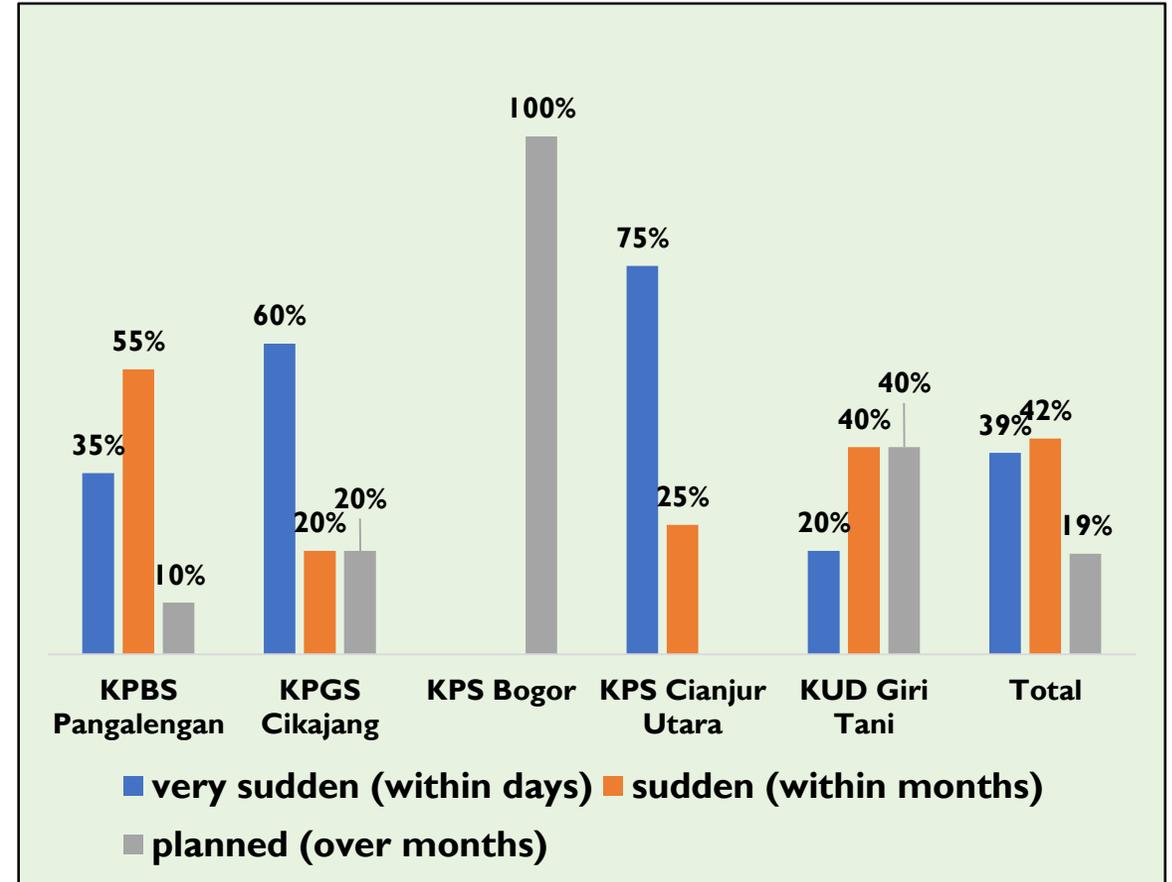
How much the production prior to exit?



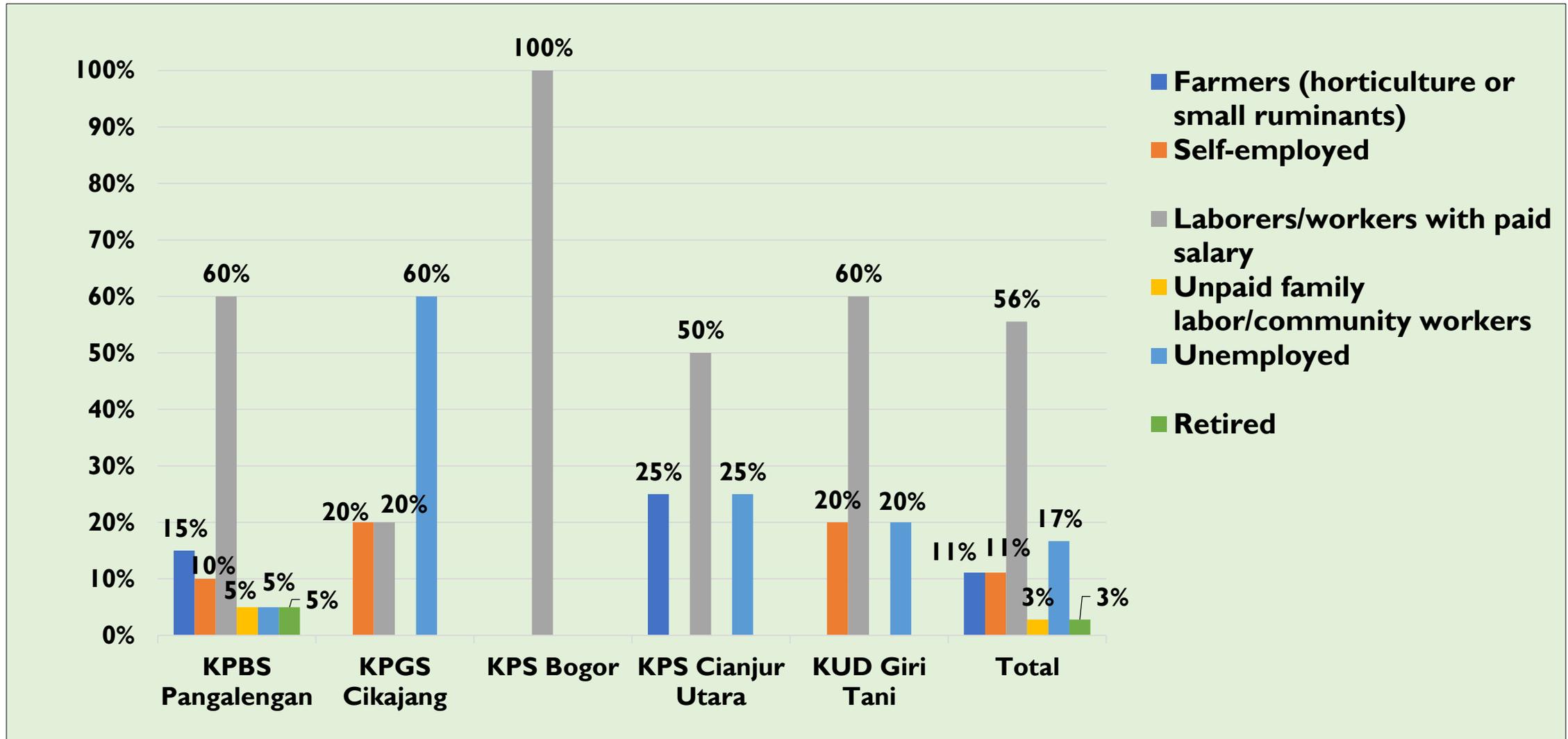
Does the dairy farmer quit forever from the business?



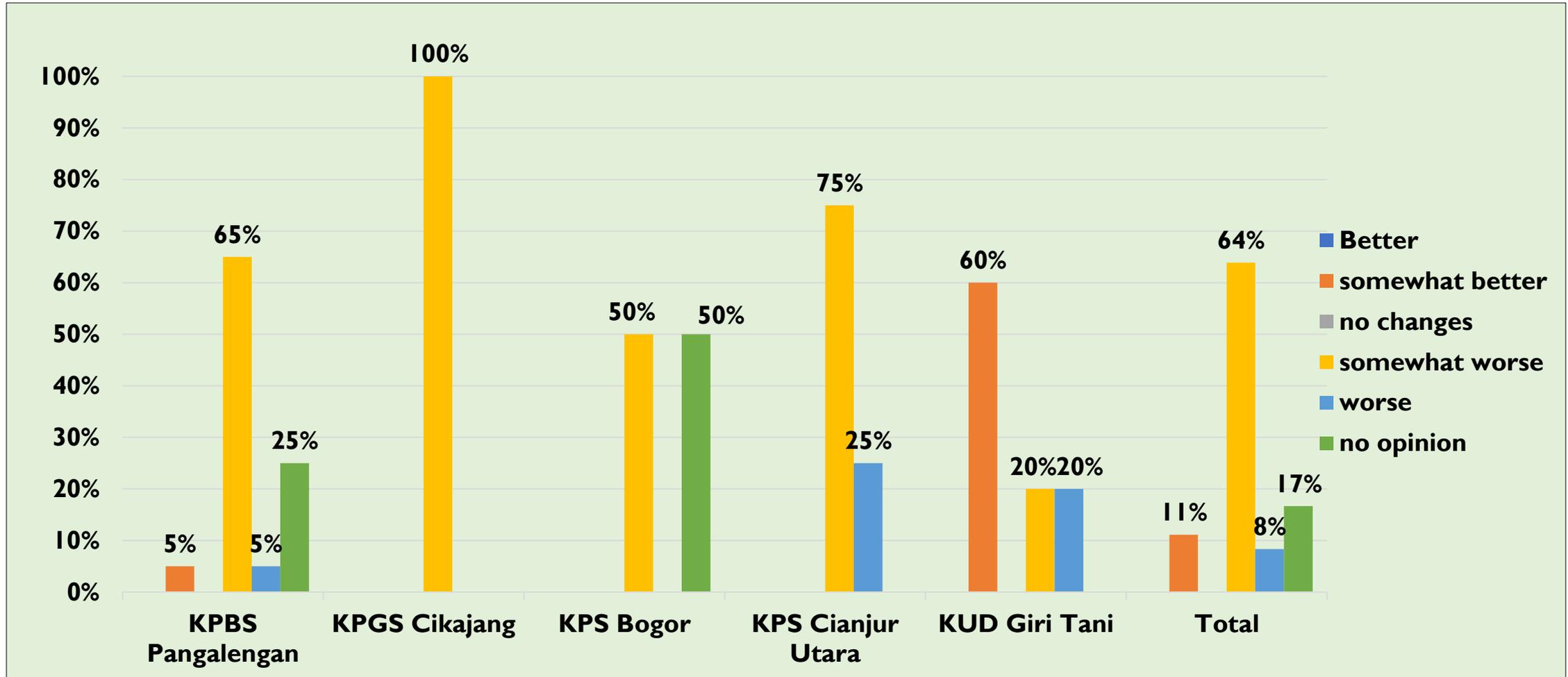
The “nature” of their decision for quitting from the business



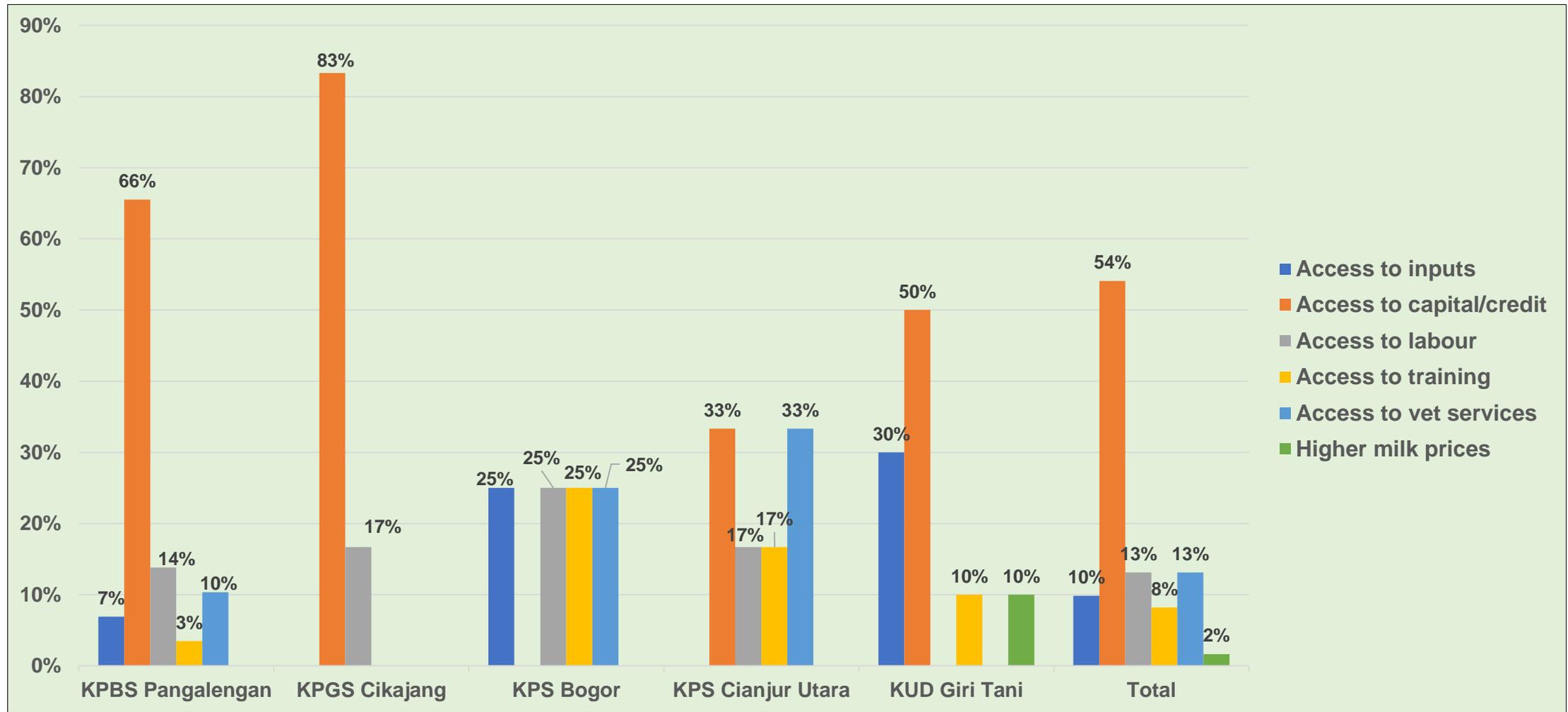
Main income activities after "quit from dairy business"



Welfare condition after “quit” from dairy business?



What kind of assistances/access that may prevent the dairy farmers exit from the business



CONCLUSION EXIT SURVEY

- ❖ During the updating process of ISHS samples from September – October 2021, almost 20% of the samples “exit” from the dairy farming business and dropped from the list of respondents.
- ❖ Aging considered as the main drivers for dairy farmers to quit from the business. Dairy farming known as high labor intensive-typed farming.
- ❖ Animal health plays a significant role to maintain the dairy farmers stay in the business, mastitis or difficulties to get the cows pregnant also considers as another drivers.
- ❖ Availability of credit schemes for dairy sector may reduce the likelihood of dairy farmers “exit” from the business.

Thank You!

<http://www.adelaide.edu.au/global-food>

<https://www.indodairy.net/>



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