

Supplementary Materials

Table S1. Socio-demographic characteristics of respondents

Features	Groups	Distribution (n =200)	
		n	%
Gender	Female	116	58.0
	Male	80	40.0
	Non-Binary	4	2.0
Age	18-25	177	88.78
	26-35	22	10.75
	36-45	1	0.47
Nationality	Afghanistan	1	0.47
	Argentina	1	0.47
	Cameroon	1	0.47
	Congo	1	0.47
	Cyprus	14	7.01
	Eritrea	1	0.47
	Gambia	1	0.47
	Ghana	1	0.47
	India	1	0.47
	Indonesia	1	0.47
	Iran	2	0.93
	Iraq	4	1.87
	Jordan	7	3.74
	Kenya	2	0.93
	Kyrgyzstan	1	0.47
	Lebanon	3	1.4
	Lesotho	1	0.47
	Morocco	1	0.47
	Nigeria	27	14.43
	Pakistan	1	0.47
	Poland	1	0.47
	Qatar	1	0.47
	Saudi Arabia	1	0.47
	Somalia	1	0.47
	South Africa	1	0.47
	State of Palestine	1	0.47
	Sudan	3	1.4
	Syria	1	0.47
	Tanzania	3	1.4
	Tunisia	1	0.47
	Türkiye	111	55.61
	Uganda	1	0.47
	United Arab Emirates	1	0.47
United States	1	0.47	
Education	Masters/PhD	3	1.4
	Bachelors	197	98.6
	Dentistry	20	9.81
	Health Sciences	27	13.55
	Medical Biology and Genetics	1	0.47
Faculty	Medical Genetics	1	0.47
	Medicine	64	31.77
	Molecular Medicine	1	0.47
	Nursing	23	11.68

	Pharmacy	17	8.89
	Physiotherapy and Rehabilitation	3	1.40
	Veterinary Medicine	43	21.49
Religion	Muslim	146	73.36
	Christian	33	16.36
	Atheist	9	4.67
	Jewish	1	0.47
	Agnostic	1	0.47
	Deist	2	0.93
	Polytheist	1	0.47
	Satanist	2	0.93
	Tengri	1	0.47
	I am not affiliated with any religion	4	1.87
Monthly income (Turkish lira ₺ or Dollar \$)	Below = \$100	63	31.31
	\$100 - \$150	30	14.95
	\$150 - \$250	36	18.22
	₺\$250 - \$450	34	16.82
	₺8.000 - 12.000 = \$450 - \$650	17	8.42
	₺12.000 - ₺20.000 = \$650 - \$1.10	7	3.74
	₺20.000 - ₺30.000 = \$1.100 - \$1.600	4	1.87
	₺30.000 and above = \$1.600 and above	9	4.67

Table S2. Reliability and Descriptive Statistics of the Animal Welfare Perception Scale and Sub-Dimensions

Features	n	Cronbach's Alpha	Mean	Std. Error
Animal Welfare Scale	200	0.96	0.36	0.03
Sub-dimensions				
Feeding Condition	200	0.74	3.49	0.00
Housing Condition	200	0.89	3.39	0.00
Animal Health Condition	200	0.91	3.44	0.00
Animal Behavior	200	0.87	3.37	0.01
Breeding Condition	200	0.80	3.15	0.05

Note: Cronbach’s alpha values indicate internal consistency reliability of each construct. Mean scores are based on a Likert scale (e.g., 1 = strongly disagree, 5 = strongly agree), where higher values reflect more positive perceptions of animal welfare. Standard errors represent sampling variability. The overall scale and sub-dimensions include feeding condition, housing condition, animal health, animal behavior, and breeding condition.

Table S3. Chi-Square Test Results for the Relationship Between Socio-Demographic characteristics and Animal Welfare Perception Dimensions

Features *	Groups							
	Gender ^a		Nationality ^b		Religion ^c		Income ^d	
	p	χ ²	p	χ ²	p	χ ²	p	χ ²
Feeding Condition								
Nutrition Condition	.002	20.953	.087	11.042	.220	8.249	.115	28.968
Water Condition	.021	14.886	.139	9.682	.373	6.465	.354	22.821
Breeding Condition								
Farming Conditions	.532	5.096	.012	16.282	.807	3.014	.298	23.904
Selection Technique	.282	7.442	.049	12.627	.588	4.659	.380	22.350
Artificial Insemination Technique	.425	5.981	.024	14.600	.279	7.476	.250	24.944
Benefit from Pasture	.110	10.363	.513	5.244	.912	2.082	.351	22.869
Nail Trimming	.753	3.434	.043	13.002	.448	5.784	.700	17.186
Dehorning, Tailing, Debeaking	.477	5.535	.007	17.585	.675	4.013	.259	24.739
Housing Condition								
Overcrowded Housing Condition	.021	4.879	.823	2.887	.261	7.703	.783	15.757
Living Condition	.502	5.331	.001	23.774	.484	5.482	.270	24.493

Barn Climate Condition	.209	8.412	.378	6.419	.975	1.237	.346	22.958
Quality/Hygiene Condition	.041	13.119	.101	10.623	.278	7.493	.213	25.826
Milking and Udder Hygiene	.286	7.398	.004	19.155	.460	5.677	.659	17.842
Housing Material/Shape	.408	6.141	.386	6.344	.995	0.693	.350	22.882
Number of Feeders/Drinkers	.192	8.690	.008	17.411	.682	3.960	.985	9.496
Health Condition								
Caretaker Behavior to Animal	.038	13.366	.001	21.556	.835	2.787	.846	14.533
Biosecurity Measures	.004	18.888	.125	9.985	.539	5.038	.734	16.617
Animal Vaccination	.130	9.881	.21	8.406	.818	2.926	.491	20.476
On-Site Veterinarian	.037	13.415	.000	24.111	.385	6.351	.345	22.985
Animal Health Issues	.002	21.460	.384	6.361	.247	7.886	.120	28.760
Pest Infestation Issues	.002	21.347	.009	17.003	.475	5.552	.465	20.896
Transportation Condition	.020	14.976	.000	32.809	.205	8.475	.077	30.812
Slaughter Condition	.485	5.473	.005	18.670	.070	11.641	.391	22.151
Animal Behavior								
Separation from Mothers	.167	9.112	.000	27.189	.032	13.800	.658	17.851
Freedom of Movement	.023	14.693	.000	26.271	.647	4.219	.722	16.823
Food and Water Access	.060	12.094	.118	10.156	.811	2.981	.255	24.818
Individual Housing of Young Animals	.003	19.769	.000	34.128	.046	12.812	.663	17.772
Bonding of Animals	.006	17.964	.000	28.959	.051	12.558	.771	15.973

* All features are defined as a.Does not affect all, b.Little effects, c.Moderate effects,d. It totally affects

^aFemale, Male, Non-Binary ^bTurkish, Nigerian, Other, ^cMuslim, Christian, Jewish, Other, ^dBelow \$100, 2000 - 3.000 ₺ = \$100 - \$150, 3.001 - 5.000 ₺ = \$150 - \$250, 5.000 - 8.000 ₺ = \$250 - \$450, 8.000 - 12.000 ₺ = \$450 - \$650, 12.000 - 20.000 ₺ = \$650 - \$1.100