

EXAMINING SBAE TEACHERS' PERCEPTIONS OF AGRICULTURAL FACILITIES ACROSS CAREER STAGES

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INTRO & FRAME

- Facilities are a critical component of designing a SBAE program
- Should be reflective of local needs (Croom, 2009; Roberts & Ball, 2009; Shoulders & Myers, 2012)
- Common facility barriers include poor conditions, limited funding, and maintenance (Ramstad & Smalley, 2025)
- Needs and perceptions of SBAE teachers vary on their career stage (Smith & Smalley, 2018; Sorensen et al., 2014)
- Limited work integrating examining SBAE teachers' perceptions of facilities based on career stages.
- Guided by Ajzen's (1991) Theory of Planned Behavior

PURPOSE

Purpose: To examine SBAE teachers' perceptions of facilities based on their career stage

- **Objective 1:** To assess teachers' perceptions regarding SBAE facilities
- **Objective 2:** To determine relationships between these perceptions and a SBAE teacher's career stage

METHODS

- 41-item instrument piloted and reviewed for validity (Creswell & Creswell, 2018)
- High reliability ($\alpha = 0.95$; Nunnally, 1978)
- 255 responses and a 21.3% response rate
 - Early-career (≤ 5 years): 85 teachers
 - Mid-career (6-15 years): 90 teachers
 - Late-career (≥ 15 years): 80 teachers
- 5-point Likert-type scale used
- De-identified data analyzed in SPSS
- Analysis included descriptive statistics, a one-way ANOVA and Tukey post-hoc

RESULTS

	Early		Mid		Late		df	p
	\bar{x}	σ	\bar{x}	σ	\bar{x}	σ		
I enjoy my SBAE facilities.	3.81	1.03	3.73	1.02	3.89	0.87	254	0.59
Having effective facilities is important for preparing students for their future careers.	4.64	0.66	4.75	0.44	4.65	0.57	254	0.34
I feel supported in developing facilities.	3.46	1.20	3.31	1.16	3.79	0.92	254	0.01*
My facilities make an impact on students.	4.39	0.77	4.48	0.67	4.61	0.65	254	0.12
My community expects effective facilities.	3.86	1.03	3.83	1.02	4.00	0.83	254	0.49
My administration expects effective facilities.	3.58	1.13	3.36	1.04	3.70	1.06	254	0.11
My advisory cmte. expects effective facilities.	3.80	0.92	3.99	0.87	4.00	0.76	254	0.23
My students expect effective facilities.	3.81	0.84	3.92	0.85	4.03	0.69	254	0.23
I have the ability to sustain effective facilities.	3.68	1.10	3.58	0.98	4.05	0.84	254	0.01*
I have strong knowledge of facilities.	4.12	0.85	4.26	0.63	4.41	0.69	254	0.04*
I will expand facilities if given the chance.	4.65	0.65	4.60	0.70	4.36	1.00	254	0.05*
I will seek others' input as I plan facilities.	4.24	0.87	4.30	0.76	4.01	0.93	254	0.08

CONCLUSIONS

- Teachers maintained positive perceptions regarding their facilities
- Teachers suggested they did not have the support in developing their facilities, especially mid-career ($\bar{x} = 3.31$; $\sigma = 1.16$)
- Late-career teachers felt more confident sustaining facilities, potentially due to greater levels of PBC (Ajzen, 1991)
- Early-career teachers had the greatest intention to expand their facilities if given the chance (Ajzen, 1991)

RECOMMENDATIONS

- Qualitative research exploring the subjective norms of stakeholder groups regarding SBAE facilities (Ajzen, 1991)
- PD and training should be provided to early-career teachers, potentially in the form of mentorship programs

REFERENCES

Please scan the QR code to access the references and full abstract

