





TABLE III.  
THE SCIENCE-RELATED ATTITUDE SCALE MEAN SCORE OF EACH ITEM AMONG FRESHMEN STUDENTS

SCALE	RESPONSES					TOTAL MEAN SCORE	INTERPRETATION
	SA	A	N	D	SD		
S	3.63	4.69	4.71	3.89	2.03	3.79	Agree
N	1.45	4.90	6.27	2.74	0.85	3.24	Agree
I	2.77	5.25	2.97	5.73	1.64	3.67	Agree
A	3.14	5.33	2.23	5.43	3.74	3.97	Agree
E	1.88	5.69	2.83	5.66	6.73	3.97	Agree
L	1.78	4.93	3.86	5.87	2.35	3.76	Agree
C	2.04	4.48	4.76	5.13	1.68	3.62	Agree

TABLE IV.  
THE MEAN OF THE TOTAL SCORES OF THE SCIENCE-RELATED ATTITUDE SCALES OBTAINED BY THE FRESHMEN STUDENTS

Attitude Scale	Mean of the Total Score
S	33.28
N	31.54
I	36.07
A	39.01
E	39.93
L	36.90
C	38.60

Table IV shows the mean of the total scores of the science-related attitude scales obtained by the freshmen students. The result is compared to the mean of the total scores obtained by the field-testing sample on each science-related attitude scales.

## V. CONCLUSION

Based on the findings of this study, the science-related attitude attitudes among first-year students vary in each of the seven (7) scales containing ten (10) items having both positive and negative statements.

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## REFERENCES

- [1] Eagly, A. H., & Chaiken, S. (1993). *The psychology of attitudes*. Fort Worth, FL: Harcourt Brace & Company.
- [2] Gardner, P. L. (1975a). Attitudes to science: A review. *Studies in Science Education*, 2, 1–41.  
<https://doi.org/10.1080/03057267508559818>
- [3] Gardner, P. L. (1975b). Attitude measurement: A critique of some recent research. *Education Research*, 17, 101–105.  
<https://doi.org/10.1080/0013188750170203>
- [4] Germann, P. J. (1988). Development of the attitude toward science in school assessment and its use to investigate the relationship between science achievement and attitude toward science in school. *Journal of Research in Science Teaching*, 25(8), 689–703.  
<https://doi.org/10.1002/tea.3660250807>
- [5] Morrell, P.D., & Lederman, N.G. 1998. Students' Attitudes Toward School and Classroom Science: Are They Independent Phenomena? *School Science and Mathematics*, 98(2): 76-83. National Science Foundation. 2004. *Women, Minorities, and Persons with Disabilities in Science and Engineering*. Arlington, VA.
- [6] Schibeci, R. A. (1983). Selecting appropriate attitudinal objectives for school science. *Science Education*, 67, 595–603.  
<https://doi.org/10.1002/sci.3730670508>
- [7] Yager, R. E. (1996). Change in student beliefs about attitudes toward science in grades 6 – 9. *Asia-Pacific Forum on Science Learning and Teaching*, Volume 11, Issue 1, Article 1 (Jun., 2010)
- [8] Yager, R.E. and McCormack, A.J., 1989. Assessing teaching/learning successes in multiple domains of science and science education. *Science Education* 73(1):45-58. John Wiley & Sons, Inc. (1989). Retrieved from <http://onlinelibrary.wiley.com/doi/10.1002/sci.3730730105/abstract#publication-history>