

# Perceived Factors Affecting Students' Academic Achievement in Secondary Schools in Bongao District

Rubia A. Abdulwahab<sup>1</sup>

<sup>1</sup> Mindanao State University-Tawi-Tawi, Bongao, Tawi-Tawi, Philippines

**Abstract:** *Achievement in Education is the best legacy that a nation can give to her citizens especially the youth. This is because the development of any nation or community depends largely on the quality of education of such nation. It is also agreed that formal education remains the vehicle for socio-economic, psychological and environmental development of any society of which the students are the hope of the progress. However, a student's achievement is dependent on a combination of many factors. There is no "one-size-fits-all" rule to academic achievement, but there does seem to be a pattern among youth who do particularly well in school.*

**Keywords:** *Perceived Factors, Academic Achievement, Secondary Schools*

## 1. Introduction

Achievement in Education is the best legacy that a nation can give to her citizens especially the youth. This is because the development of any nation or community depends largely on the quality of education of such nation. It is also agreed that formal education remains the vehicle for socio-economic, psychological and environmental development of any society of which the students are the hope of the progress. However, a student's achievement is dependent on a combination of many factors. There is no "one-size-fits-all" rule to academic achievement, but there does seem to be a pattern among youth who do particularly well in school.

Measuring of students' academic achievement is challenging since students' academic achievement is product of numerous factors. These variables are inside and outside school that affect students' quality of academic achievement.

Students with different perspective in life, especially those in Bongao Municipality are affected by myriad of factors. The researcher chooses the locale of the study because students' respondents in the said area have different perspectives, motivations, experiences, and achievement level which may be traced from their Family life, Socio-economic status, Physical factors, Environmental factors, and the School factors.

## 2. Problem Statements

1. What is the profile of the students' respondents in terms of:

- a. School Attended
- b. Gender
- c. Educational Attainment of Parents
- d. Monthly Income of Parents

2. What are the determinants/indicators that affect the students' academic achievements along the following variables:

\*Internal factors                      \* External factors

3. Is there a significant influence of internal factors and external factors to the Academic Achievements of the students in terms of:

## Methods

This research utilizes the survey approach of research using descriptive correlational method. The research sample was constituted of Third year High School or Grade Nine (9) students of Bongao District. It comprises of eleven (11) schools with three distinct institutes; Public High Schools, Private High Schools, Laboratory High Schools and Vocational High Schools. The main used to gather and collect data was a non-standardized survey questionnaire checklist form that contain all necessary conditions, situations, and problems developed based on the review of related literature, related studies, ideas, and observations of the researcher about the topic of the study.

## Results

1. What is the profile of the students' respondents in terms of:
  - a. School Attended
  - b. Gender
  - c. Monthly Income of Parents
  - d. Educational Attainment of Parents

### Distribution of Student-Respondents By School

School Code	School_name	Frequency	Percent	Cumulative Percent
1	ACLCFI	10.00	1.95	1.95
2	BSTHS	27.00	5.26	7.21
3	BAA	26.00	5.07	12.28
4	MITHS	34.00	6.63	18.91
5	PNHS	48.00	9.36	28.27
6	PHS	77.00	15.01	43.27
7	SSNHS	17.00	3.31	46.59
8	SHS	28.00	5.46	52.05
9	TRACHS	47.00	9.16	61.21
10	TTSAT	103.00	20.08	81.29
11	TTSF	96.00	18.71	100.00
	<b>Total</b>	<b>513.00</b>	<b>100.00</b>	

### Distribution of Student-Respondents By Gender

Gender_id	Frequency	Percent	Cumulative Percent
Male	190.00	37.04	37.04
Female	323.00	62.96	100.00
Total	513.00	100.00	

### Distribution of Student-Respondents' Parents Monthly Income

Income_id	Frequency	Percent	Cumulative Percent
Less than 3,000 Pesos	215.00	41.91	41.91
3,000 to 5,000 Pesos	109.00	21.25	63.16
5,001 to 10,000 Pesos	97.00	18.91	82.07
10,001 Pesos and Above	92.00	17.93	100.00
Total	513.00	100.00	

### Distribution of Student-Respondents' Parents Educational Attainment

Educ_id	Frequency	Percent	Cumulative Percent
Elementary Graduate	143.00	27.88	27.88
High School Graduate	156.00	30.41	58.28
College Graduate	163.00	31.77	90.06
Master's Degree Holder	43.00	8.38	98.44
PhD Degree Holder	8.00	1.56	100.00
Total	513.00	100.00	

2. What are the determinants/indicators that affect the students' academic achievements along the following variables?

- Internal factors
- External factors

#### The Mean Scores, Interpretation and Correlation Coefficients r For the Internal Factors' Indicators

#	Internal Factor Indicator	Mean Score	Interpretation	Pearson Correlation	Sig. (2-tailed)
1	Study habits	3.0663	Agree	.030	.495
2	Attitude/Self-Efficacy	3.0526	Agree	.069	.120
3	Physical health	3.0799	Agree	.054	.226
4	Intelligence Quotient (IQ)	2.7914	Agree	.104 <sup>*</sup>	.019
5	Language factor	2.7875	Agree	.103 <sup>*</sup>	.019
6	Understanding of the subject matter	2.9766	Agree	.122 <sup>**</sup>	.006
7	Critical thinking	2.7446	Agree	.129 <sup>**</sup>	.004
8	Attentive listening	3.0507	Agree	.092 <sup>*</sup>	.038
9	Reading comprehension and analysis	2.9786	Agree	.052	.239
10	Interest/Motivation in studies	3.0370	Agree	.163 <sup>**</sup>	.000
11	Positive outlook in life	2.8791	Agree	.154 <sup>**</sup>	.000
12	Time Management	2.8694	Agree	.094 <sup>*</sup>	.033
<b>Mean Score</b>		<b>2.9428</b>	<b>Agree</b>		
Legend: 1.00 - 1.50 => Disagree; 1.51 - 2.50 => Moderately Agree; 2.51 - 3.50 => Agree; 3.51 - 4.00 => Strongly Agree					
*. Correlation is significant at the 0.05 level (2-tailed).					
**. Correlation is significant at the 0.01 level (2-tailed).					

**The Mean Scores, Interpretation and Correlation Coefficients r For the External Factors' Indicators**

#	External Factor Indicators	Mean Score	Interpretation	Pearson Correlation	Sig. (2-tailed)
1	Education of Parents	3.0448	Agree	.004	.924
2	Financial support	3.1540	Agree	.007	.873
3	Learning Environment	3.0682	Agree	.049	.271
4	Home Life	3.1170	Agree	.039	.383
5	School Condition	3.0585	Agree	.082	.063
6	Teachers' quality	3.0604	Agree	.174**	.000
7	Availability of facilities (e.g. classroom, textbooks, equipment, and etc.)	2.8791	Agree	.134**	.002
8	Parental support	3.0682	Agree	.141**	.001
9	Method of Instruction	2.8811	Agree	.213**	.000
10	Behavior of Teachers	3.1209	Agree	.075	.091
11	Peer Influence	2.6472	Agree	.143**	.001
12	Social Relationship	2.8538	Agree	.007	.873
<b>Mean Score</b>		<b>2.9961</b>	<b>Agree</b>		
Legend: 1.00 - 1.50 => Disagree; 1.51 - 2.50 => Moderately Agree; 2.51 - 3.50 => Agree; 3.51 - 4.00 => Strongly Agree					
*. Correlation is significant at the 0.05 level (2-tailed).					
**. Correlation is significant at the 0.01 level (2-tailed).					

3. Is there a significant influence of internal factors and external factors to the Academic Achievements of the students in terms of:

- a. Internal factors
- b. External factors

**The Mean Scores, Interpretation and Correlation Coefficients r For the Influence of Internal Factors' Indicators**

#	Internal Factors' Indicators	Mean Score	Interpretation	Pearson Correlation	Sig. (2-tailed)
<b>Physical Health</b>					
1	I am physically healthy and capable of learning	3.1774	Agree	.078	.077
2	I cannot easily copy a lecture or assignment because of my poor eyesight.	1.7856	Moderately Agree	-.150**	.001
3	I cannot listen very well to what my teachers say because my hearing ability is impaired	1.6472	Moderately Agree	-.180**	.000
4	I always feel weak and easily get tired in school	2.1267	Moderately Agree	-.128**	.004
	Mean	2.1842	Moderately Agree		
<b>Attitude/Self-Efficacy</b>					
5	I am capable of accepting and handling tasks especially those that are related in my studies	2.7992	Agree	.092*	.038
13	I am capable of passing all my subjects	2.7992	Agree	.181**	.000
15	I am a good student	3.2086	Agree	.081	.067
	Mean	2.9357	Agree		

**The Mean Scores, Interpretation and Correlation Coefficients r For the Influence of Internal Factors' Indicators**

#	Internal Factors' Indicators	Mean Score	Interpretation	Pearson Correlation	Sig. (2-tailed)
	<b>Intellectual Abilities</b>				
6	I get headaches whenever I listen to different lessons	2.1559	Agree	-.142**	.001
7	I can easily understand the lessons discussed	2.5945	Agree	.029	.519
9	I always get high scores in my quizzes and examinations.	2.5283	Agree	-.047	.286
	<b>Mean</b>	<b>2.4263</b>	<b>Agree</b>		
	<b>Study Habit</b>				
8	I always study my lessons	<b>2.7973</b>	Agree	-.120**	.006
	<b>Language Factor</b>				
10	I can understand English instructions	2.6901	Agree	.240**	.000
11	I can relate with my classmates and teachers	2.8207	Agree	.149**	.001
12	I can speak English	2.7076	Agree	.277**	.000
	<b>Mean</b>	<b>2.7394</b>	<b>Agree</b>		
	<b>Interest/Motivation</b>				
14	I am interested in my studies	3.1559	Agree	.056	.204
	<b>Grand Mean</b>	<b>2.3424</b>	<b>Agree</b>		
Legend: 1.00 - 1.50 => Disagree; 1.51 - 2.50 => Moderately Agree; 2.51 - 3.50 => Agree; 3.51 - 4.00 => Strongly Agree					
*. Correlation is significant at the 0.05 level (2-tailed).					
**. Correlation is significant at the 0.01 level (2-tailed).					

The Mean Scores, Interpretation and Correlation Coefficients r For the Influence of External Factors' Indicators

	External Factors' Indicators	Mean Score	Interpretation	Pearson Correlation	Sig. (2-tailed)
	<b>Home</b>			1	
1	My parents can afford to send me to any school I want	2.3957	Agree	-.003	.941
2	My parents have jobs.	2.8674	Agree	.094*	.033
3	I am the only one who go to school while my brothers/sisters do not.	1.7290	Moderately Agree	-.277**	.000
8	I have a happy family which serves as my inspiration in my studies.	3.2242	Agree	.136**	.002
9	My parents are supportive in my studies.	3.3392	Agree	.179**	.000
10	Our home has enough source of light to support my studies.	2.8655	Agree	.262**	.000
13	I am comfortable with the atmosphere of our home to make my home works and study my lesson.	3.0058	Agree	.131**	.003
	<b>Mean</b>	<b>2.7753</b>	<b>Agree</b>		
	<b>School</b>				
4	My teacher explains the lessons well.	3.1969	Agree	.118**	.007
5	My teacher guides and helps me whenever I have difficulties in understanding the lesson.	3.1267	Agree	.017	.702
6	My teacher presents the lessons clearly and in an orderly manner.	3.1365	Agree	.067	.129
7	My teacher encourages active participation of the students.	3.0955	Agree	.145**	.001
11	Our library in school is complete with recent resources and references.	2.5789	Agree	-.079	.072
12	Our school is conducive to learning.	2.9688	Agree	.161**	.000
	<b>Mean</b>	<b>3.0172</b>	<b>Agree</b>		
	<b>Community</b>				
14	I have a peaceful and quite place to live in.	2.8616	Agree	.196**	.000
15	Our environment is exposed to solutions that can	2.4483	Agree	-.126**	.004
	<b>Mean</b>	<b>2.6550</b>	<b>Agree</b>		
	<b>Grand Mean</b>	<b>2.8158</b>	<b>Agree</b>		
Legend: 1.00 - 1.50 => Disagree; 1.51 - 2.50 => Moderately Agree; 2.51 - 3.50 => Agree; 3.51 - 4.00 => Strongly Agree					
*. Correlation is significant at the 0.05 level (2-tailed).					
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The Analysis of Variance for the Regression Analysis of the External and Internal Factors as the Independent Variables

ANOVA<sup>a</sup>

	Model	Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2557.617	4	639.404	5.606	.000 <sup>b</sup>
	Residual	57944.524	508	114.064		
	Total	60502.140	512			

a. Dependent Variable: Achievement

b. Predictors: (Constant), ExterIn\_fMean, InterFacMean, InterInf\_Mean, ExterFacMean

### 3. Conclusions

On the basis of the findings, it is concluded that the Academic Achievement is affected and influenced by various factors. However, intelligence quotient (IQ), language factor, understanding of the subject matter, critical thinking, attentive listening, interest/motivation in studies, positive outlook in life, and time management are the common indicators for internal factors. On the other hand, interest/motivation in studies was considered as having significant effect. External factors including teachers' quality, availability of facilities, parental support, method of instruction, behavior of teachers and peer influence were the common indicators and parental support had a significant effect on students' academic achievement.

### 4. Recommendations

The study recommends the following measures:

1. Parental support and involvement in students' education.
2. Hiring of competent and qualified teachers in all secondary schools in Bongao District.
3. Exposure of teachers to seminar-workshops and trainings for professional growth.
4. Provision of adequate updated facilities, instructional materials and devices.
5. More research studies conducted related to "Factors affecting students' academic achievements".

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