

Academic Resiliency, Social and Emotional Learning, and Intercultural Communication of Students: A Structural Equation Model on Interpersonal Communicative Competence

ABSTRACT

Aims: This study aimed to determine the best model for students' interpersonal communicative competence, influenced by academic resiliency, intercultural communication, and social and emotional learning.

Study design: A non-experimental quantitative research design employing descriptive, predictive, and structural equation modeling was utilized.

Place and Duration of Study: The study was conducted among 456 AB-Filipino and BSED Filipino students in Region XII, Philippines.

Methodology: The data collected from an adapted survey questionnaire were analyzed using measures such as mean, Pearson product-moment correlation coefficient, linear regression, and structural equation modeling.

Results: The results revealed that academic resiliency, social and emotional learning, intercultural communication, and interpersonal communicative competence of students achieved a high descriptive level, indicating frequent manifestation among the respondents. Furthermore, social and emotional learning and intercultural communication emerged as statistically significant predictors of interpersonal communicative competence. However, academic resiliency did not demonstrate statistical significance as a predictor of interpersonal communicative competence. Nonetheless, the overall model suggests that these three predictors together can significantly predict interpersonal communicative competence.

Conclusion: It was found that intercultural communicative competence significantly influenced interpersonal communicative competence, the endogenous variable. Lastly, Model 3 met all the goodness-of-fit criteria, indicating it as the best-fit model for interpersonal communicative competence. It is considered relatively parsimonious due to its good fit with fewer parameters compared to the other models.

Keywords: academic resiliency, social and emotional learning, intercultural competence, interpersonal communicative competence, structural equation modelling, education, Philippines

1. INTRODUCTION

Communication is very important in everyday life. If an individual has effective communication skills, they have the ability to provide ideas and information, even in building

good relationships without problems (1). However, the lack of communication skills among graduates has become a problem for those entering jobs, both in the public and private sectors. One significant reason many job seekers fail interviews is their lack of interpersonal communication skills, which can hinder their integration into society, impact communication methods, and affect their ability to manage problems effectively (2). Low interpersonal communication skills can lead to interpersonal problems that affect both internalizing and externalizing behaviors. Currently, students transitioning from childhood to adulthood, seeking independence from their parents, are in a critical period where interaction with their peers is crucial. This research is especially important for schools promoting BSED-Filipino and AB-Filipino programs to assess their interpersonal communication skills using the Filipino language. These students will become language teachers in the coming years. Furthermore, future researchers conducting similar studies will have a modern foundation to improve research related to interpersonal communication skills. Lastly, this research will be beneficial for schools and departments that offer language teaching programs and use Filipino as the medium of instruction (3). This research corresponds to previous studies indicating that interpersonal relationships have an important influence on a person's life stage and self-development (4). This is supported by previous studies demonstrating its potential to improve overall human health, strengthen academic resilience, ease problem-solving, and promote a conducive physical environment (5). Resilience comprises positive attributes possessed by individuals, which can manifest during stressful life events to mitigate the development of negative outcomes (6). Additionally, resilience is a concept rooted in notions of support, well-being, and strength. While some perspectives emphasize internal characteristics such as personality, values, thinking styles, beliefs, and social support, an ecological perspective considers resilience within the context of human-environment relationships, which vary across dimensions, periods, and social networks or organizations (7). Variables such as interpersonal communication, self-disclosure, and social relaxation were significant predictors of resilience. The strong correlation observed between self-disclosure and the resilience factor of social resources underscores the fundamental role of these elements in building resilience (8).

Meanwhile, in multicultural academic environments, communication among individuals from diverse social and cultural backgrounds emphasizes either interpersonal or intercultural communication skills. Both interpersonal and intercultural communication skills are essential for international students varying social, cultural, and communication norms to facilitate successful interactions with their classmates. Interpersonal communication serves as the primary aspect facilitating intergroup and intercultural communication (9).

Interpersonal communication lies at the core of human existence. It is through communication that interpersonal relationships are established, maintained, and sometimes terminated. The quality of relationships—whether positive or negative—stands as one of the most influential psychosocial predictors of an individual's physical and mental health outcomes (10). Communication stands as one of the fundamental elements in human, as positive and effective communication is crucial for fostering strong and healthy interpersonal relationships. The quality of communication directly influences the quality of relationships (11).

In academic achievement, interpersonal communication are significant factors that influence academic resiliency (12). High academic resilience is associated with higher student academic achievement, increased class participation, and fewer academic behavioral issues. Students with high academic resilience successfully navigate stressful situations and challenges due to their strong performance in cognitive aspects and effective problem-solving strategies (13).

Meanwhile, social and emotional learning (SEL) can be defined as the ability to recognize and manage emotions, effectively solve problems, and establish positive relationships with others. Research shows the crucial role of SEL in fostering strong student development and academic success. Extensive studies revealed that SEL skills are teachable, promote

positive development, mitigate problem behaviors, and enhance students' academic achievements and civic engagement (14). SEL is an educational model for improving the social-emotional skills of all students and a long-term educational program that connects school, home, and community. Although there has been active research to establish evidence-based practice (EBP) of SEL programs worldwide, the quality of SEL intervention studies, which are an important part of EBP evaluation, has rarely been investigated (15). In addition, it was found that there is a significant positive correlation between self-esteem, interpersonal relationships, intercultural communicative competence, and cultural competence. Regression analysis showed that variance for cultural competence was significantly accounted for by self-esteem, interpersonal relationships, and intercultural communicative competence. The findings of the study suggest the need for cultural competency education programs designed at the appropriate grade level for students (16). Based on the relationships of the variables above, this study intends to examine the most appropriate model for students' interpersonal communicative skills.

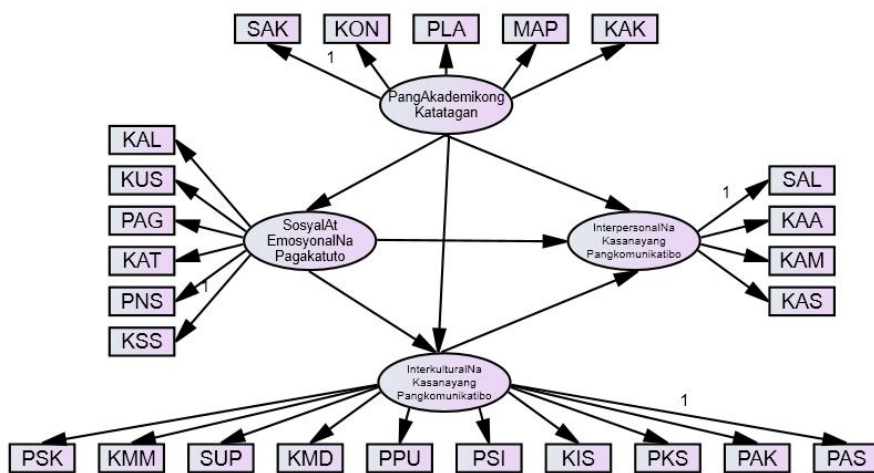


Fig. 1. Conceptual framework of the study

This conceptual framework outlines the study variables as follows: Firstly, academic resilience encompasses self-efficacy, perceived control, planning abilities, low anxiety levels, and competence. Secondly, social and emotional learning is characterized by self-knowledge, self-management, resilience, recovery skills, self-confidence, and safety awareness. Thirdly, intercultural communication involves self-disclosure, empathy, composure in social settings, assertiveness, consideration for others, relationship management, emotional regulation, social support, approachability, and environmental adaptation. Fourthly, interpersonal communication abilities encompass attitudes, knowledge, awareness, and skills.

The study identifies the relationships among academic resilience, social and emotional learning, intercultural communication, and interpersonal communicative skills. Finally, the best-fit model for students' interpersonal communication skills was selected. It is important for schools offering BSED-Filipino and AB-Filipino programs to assess their students' interpersonal communicative skills in Filipino, as these students represent the next generation of language teachers. Future researchers in interpersonal communication skills will find an innovative platform to enhance their work. This study is grounded in the Socio-Ecological Model. Symbolic interactionism, founded by sociologists like George Herbert Mead and Herbert Blumer, holds significant importance in communication studies. Urie Bronfenbrenner's Socio-Ecological Model, which asserts that biological and environmental factors impact student growth and health, provides theoretical support for this research.

These factors encompass family, community, cultural norms, economic conditions, political landscapes, legislative frameworks, and environmental services and supports(17). The reciprocal cause-effect link between the self (or intrapersonal), behavior, and environment is supported by Social Cognitive Theory, upon which this study is anchored. According to this theory, each determinant—self, behavior, and environment—influences and is influenced by the others. These determinants form dynamic relationships that evolve with individual experience.

2. MATERIAL AND METHODS

2.1 Respondents

This study included public and private university students from Region XII, popularly known as SOCCSKSARGEN, which encompasses South Cotabato, Cotabato, Sultan Kudarat, Sarangani, and General Santos. These universities offer BSED Filipino and AB-Filipino. Due to their future Filipino language teachers' need for interpersonal communication skill, the researcher selected four institutions through preliminary investigation. This survey included 456 respondents using raosoft calculator to get the exact data for a relevant structural model analysis. The researcher utilized stratified random sampling to give respondents a fair chance (19). Stratified sampling strengthens the validity of study findings by ensuring that all segments of the population, reflecting its diversity, are represented proportionally. This approach allows for conclusions that are more broadly applicable to different groups within the population.

2.2 Instruments

The study used four questions to achieve its objectives. Rubin and Martin's instrument assessed students' interpersonal communication skills. The Development Study of Academic Resilience Scale for Gifted Young Scientists Education by Zulfikar, Hidayah, and Triyono assessed student academic resilience. The Development of a Social and Emotional Well-Being Scale Using ESEM and CFA: Synergistic Stories in Complex Models by Busath was also used to assess student social-emotional learning. Finally, Duisembekova's Beliefs about Intercultural Communicative Competence: The Development and Validation of a New Instrument was used to assess intercultural communication (20). These questions were evaluated by Filipino language teachers to confirm their validity.

2.3 Research Design and Methodology

The research used a structural equation model for descriptive, correlational, and causal-comparative design. Interpersonal communication, academic resiliency, intercultural communication, and social and emotional learning were assessed using descriptive analysis. Correlational and causal-comparative designs were used to determine variable correlations and choose the best variable to model students' interpersonal communication skills. Additionally, the researcher took additional precautions to assure research quality. Searching and downloading study questions was the first step. Second, a specialist evaluated the questionnaires' reliability and correctness. Third, the researcher updated the questionnaires with advisers' feedback. Fourth, assessors validated questionnaires. Fifth, the researcher revised errors and incorporated validator suggestions before submitting the documents to UMERC for initial and final study approval. Sixth, after UMERC approval, the researcher received dean approvals and signatures to confirm data collection. Seventh, a statistician assessed the data for valid research. At the end of the paper, the researcher discussed the findings. This study used statistical approaches to find the best model for students' interpersonal communication skills. The mean measured students' interpersonal communication, academic resilience, intercultural skills, and social and emotional wellness. Pearson Product Moment Correlation was used to analyze students' interpersonal

communication, academic resiliency, intercultural skills, and social and emotional learning. Multiple regression was used to identify student interpersonal communication predictors. The best model was chosen using the Structural Equation Model. Analysis of Moment Structure (AMOS) Goodness of Fit Statistics was used for the Alternative Model.

3. RESULTS AND DISCUSSION

3.1 Level of Academic Resiliency

Indicators of academic resiliency are shown in Table 1. Control had a high score ($\bar{x} = 3.91$, $SD = 0.58$). Next were self-efficacy ($\bar{x} = 3.67$, $SD = 0.60$), diligence ($\bar{x} = 3.58$, $SD = 0.69$), and plan ($\bar{x} = 3.42$, $SD = 0.85$). The low anxiety index showed moderate levels ($\bar{x} = 3.36$, $SD = 0.81$). Overall, students' academic resilience was high ($\bar{x} = 3.59$, $SD = 0.54$), indicating frequent resilience.

Table 1. *Level of Academic Resiliency*

Indicators	SD	Mean	Descriptive Level
Self-efficacy	0.60	3.67	High
Control	0.58	3.91	High
Plan	0.85	3.42	High
Low Anxiety	0.81	3.36	Moderate
Diligence	0.69	3.58	High
Overall	0.54	3.59	High

The result agreed Dwiastuti, et al.'s study showing high academic resiliency is associated with academic performance. It recommends improving school policy support (21). Students' academic resiliency and performance during the pandemic were likewise linked in Amzil's study (22). This shows that students are overcoming pandemic learning hurdles. Students with higher academic achievements exhibited greater resilience compared to those with fewer academic achievements. This study supports Valentin et al. (23) by demonstrating that high self-efficacy predicts academic stability, indicating that strong self-efficacy contributes to stability in various learning environments. This underscores the influence of self-efficacy on behavior, academic success, and learning within academic institutions, particularly colleges, where self-confident students set ambitious goals to succeed academically. Moreover, college presents significant challenges, and mental stability significantly impacts student performance (24). Despite academic stress, especially during the pandemic, resilience has been instrumental in maintaining students' quality of life and helping them cope with pandemic-related academic challenges (25).

3.2 Level of Social and Emotional Learning

Table 2 shows Social and Emotional Learning levels. All indicators showed high levels, with a total ($\bar{x} = 3.99$) and ($SD = 0.48$), indicating frequently occurrences. Self-confidence was the highest score ($\bar{x} = 4.19$, $SD = 0.77$). Self-awareness follows closely with ($\bar{x} = 4.15$) and ($SD = 0.67$), followed by resiliency, self-management, and safety ($\bar{x} = 3.75$ and $SD = 0.68$).

Table 2. Level of Social and Emotional Learning

Indicators	SD	Mean	Descriptive Level
Self-awareness	0.67	4.15	High
Self-management	0.65	3.82	High
Perseverance	0.57	4.15	High
Bounce-back	0.67	3.84	High
Self-confidence	0.77	4.19	High
Safety	0.68	3.75	High
Overall	0.48	3.99	High

According to Dowling et al. (26) and Jones et al. (27), the acceptance and support of social and emotional learning programs shows their impact on students' social and emotional skills, academic performance, mental health, and overall well-being. Due to its ability to improve competence and psychosocial health, social and emotional learning programs offer unique ways to achieve goals (28). The study by Thaintheerasombat, Supatarayan, and Chookhampaeng (29) on secondary school students showed that managing social and emotional aspects affects social and emotional intelligence skills differently depending on study period, gender, and age. Therefore, students employing different learning methods exhibit varying levels of self-awareness. Awareness of one's emotions fosters emotional resilience, as emotional stability hinges on the ability to manage emotions and impulses (30-31). Self-awareness aids in comprehending challenging emotions, particularly in uncertain circumstances (32). These studies demonstrate that social and emotional learning programs enhance academic performance and mitigate problem behavior. These programs are grounded in theoretical frameworks for bolstering resilience and are directly linked to enhancing student resilience through social and emotional learning (33).

3.3 Level of Intercultural Communication

Table 3 shows students' intercultural communication skills. Results show high levels of closeness ($\bar{x} = 3.95$, $SD = 0.71$) and supportiveness ($\bar{x} = 3.71$, $SD = 0.75$). Additionally, social relaxation scored ($\bar{x} = 3.58$, $SD = 0.68$), indicating high levels. Students showed high levels of empathy ($\bar{x} = 3.50$, $SD = 0.66$) and assertiveness ($\bar{x} = 3.45$, $SD = 0.59$). Interaction management scored $\bar{x} = 3.42$, $SD = 0.62$, indicating regular demonstration.

Table 3. Level of Intercultural Communication

Indicators	SD	Mean	Descriptive Level
Self-disclosure	0.75	3.20	Moderate
Empathy	0.66	3.50	High
Social Relaxation	0.68	3.58	High
Assertiveness	0.59	3.45	High
Altercentrism	0.62	3.29	Moderate
Interaction Management	0.62	3.42	High
Expressiveness	0.81	3.49	High
Supportiveness	0.75	3.71	High
Immediacy	0.71	3.95	High
Environmental Control	0.58	3.39	Moderate
Overall	0.43	3.50	High

Empathy ($\bar{x} = 3.49$, $SD = 0.81$) and environmental control ($\bar{x} = 3.39$, $SD = 0.58$) indicate moderate levels. The scores for empathy ($\bar{x} = 3.29$, $SD = 0.62$) and self-disclosure ($\bar{x} = 3.20$, $SD = 0.75$) indicate moderate student manifestation.

The study identified that students from different regions possess multicultural communication skills that require maintenance. According to Chen and Pan's study (34), some students lack direct cultural interactions, which limits their cultural awareness and knowledge. The lack of travel, exchanges, and interactions with foreigners further diminishes their cross-cultural experiences, thereby hindering their ability to communicate effectively with individuals from diverse cultures. To enhance their understanding of language and culture, students can benefit from studying communication patterns in various cultural contexts. Intercultural communication encompasses listening, speaking, reading, and writing, utilizing multidimensional learning strategies to enhance language proficiency and creativity (35).

3.4 Level of Interpersonal Communicative Competence

This table shows student intercultural communication skills. High levels of awareness ($\bar{x} = 3.87$ and $SD = 0.51$) and skill ($\bar{x} = 3.87$ and $SD = 0.51$) indicate frequent manifestation of these abilities. Additionally, moderate knowledge increase ($\bar{x} = 3.39$, $SD = 0.61$) indicates occasional student demonstration. This indicator showed high levels ($\bar{x} = 3.95$, $SD = 0.39$), indicating students' strong interpersonal communication skills.

Table 4. *Level of Interpersonal Communicative Competence*

Indicators	SD	Mean	Descriptive Level
Attitudes	0.53	4.42	Very High
Knowledge	0.61	3.39	Moderate
Awareness	0.51	4.13	High
Skill	0.51	3.87	High
Overall	0.39	3.95	High

Interpersonal communication skills significantly influence behavior, particularly in educational settings where students require clear and effective communication with teachers. Speech, symbols, body language, and imagery serve as channels for conveying information, ideas, and self-expression in interpersonal communication. The primary goal of interpersonal communication is to foster mutual understanding and shared objectives (36). Effective communication between message senders and recipients necessitates proficient interpersonal communication skills. Fulfilling responsibilities hinges on strong interpersonal skills, directly impacting the development of college students (37). A lack of interpersonal interaction hampers socialization. Intercultural competence encompasses skills, attitudes, and knowledge essential for navigating diverse cultural contexts. Training in intercultural skills equips students to tackle future challenges (38). Initiating changes to cultivate a positive attitude towards learning communication skills involves structuring courses, mentoring, and implementing training initiatives in this area (39).

3.5 Significant Relationship of Academic Resiliency and Interpersonal Communicative Competence

Table 5 presents the significant relationship between academic stability and interpersonal communicative skills of students. There is a notable correlation between self-efficacy and awareness, with $r = 0.374^{**}$, as well as between self-efficacy and skill, with $r = 0.310^{**}$. Overall, self-efficacy demonstrates a positive correlation with general interpersonal

communicative skills, with $r = 0.401^{**}$. Control exhibits a positive correlation with attitude ($r = 0.126^{**}$), knowledge ($r = 0.351^{**}$), awareness ($r = 0.368^{**}$), skill ($r = 0.461^{**}$), and general interpersonal communication skills ($r = 0.450^{**}$).

Additionally, a significant correlation is shown between the plan indicators of interpersonal communicative skills and knowledge ($r = 0.359^{**}$), awareness ($r = 0.222^{**}$), skill ($r = 0.285^{**}$), and general interpersonal communicative skills ($r = 0.308^{**}$). Furthermore, low anxiety displays a positive correlation with physicality ($r = 0.241^{**}$), skill ($r = 0.185^{**}$), and general interpersonal communicative skills ($r = 0.191^{**}$), but only a weak correlation with consciousness ($r = 0.112^*$). Meanwhile, ability also shows a positive relationship with knowledge ($r = 0.340^{**}$), skill ($r = 0.335^{**}$), awareness ($r = 0.227^{**}$), and general interpersonal communicative skills ($r = 0.323^{**}$).

Table 5. Significant Relationship of Academic Resiliency and Interpersonal Communicative Competence of Students of Students

Academic Resiliency	Interpersonal Communicative Competence				
	Attitudes	Knowledge	Awareness	Skill	Overall
Self-efficacy	.045	.374 ^{**}	.310 ^{**}	.401 ^{**}	.392 ^{**}
	.336	.000	.000	.000	.000
Control	.126 ^{**}	.351 ^{**}	.368 ^{**}	.461 ^{**}	.450 ^{**}
	.007	.000	.000	.000	.000
Plan	.012	.359 ^{**}	.222 ^{**}	.285 ^{**}	.308 ^{**}
	.806	.000	.000	.000	.000
Low Anxiety	.004	.241 ^{**}	.112 [*]	.185 ^{**}	.191 ^{**}
	.938	.000	.016	.000	.000
Diligence	.024	.340 ^{**}	.227 ^{**}	.335 ^{**}	.323 ^{**}
	.603	.000	.000	.000	.000
Overall	.048	.430^{**}	.309^{**}	.418^{**}	.420^{**}
	.305	.000	.000	.000	.000

Attitude does not correlate with overall academic resilience ($r = 0.048$), but interpersonal knowledge, awareness, and competence do ($r = 0.430^{**}$, 0.309^{**} , and 0.418^{**} , respectively). Based on the overall, academic resiliency and student interpersonal communication abilities are positively correlated ($r = 0.420^{**}$). Academic resilience refers to the ability to overcome academic obstacles. Students who are academically stable often excel. Additionally, academically successful students possess strong interpersonal communication skills, enabling effective interactions with peers, teachers, and others (39). According to Seo and Kwon's study (40), interpersonal communication skills also impact students' academic resilience. Regression analysis results indicate that family dynamics, interpersonal interactions, personality traits, and academic achievements influence academic resilience.

3.6 Significant Relationship between Social and Emotional Learning and Interpersonal Communicative Competence of Students

Table 6 shows how social and emotional learning affects interpersonal communication. The results show that self-awareness positively affects attitude, knowledge, awareness, skill, and interpersonal communicative skills ($r = 0.210^{**}$ – 0.388^{**}). Self-management positively affects attitude, knowledge, awareness, skill, and interpersonal communicative skills ($r = 0.176$ to

0.433). Knowledge, awareness, skill, and general interpersonal communicative skills enhance attitude stability ($r = 0.339^{**}$, 0.376^{**} , 0.364^{**} , and 0.433^{**}). Safety strongly corresponds with attitude, knowledge, awareness, skill, and general interpersonal communicative skills ($r = 0.134^{**}$ – 0.312^{**}). It is unrelated to attitude ($r = 0.060$). Knowledge, awareness, skill, and general interpersonal communicative skills are positively correlated with self-confidence ($r = 0.241^{**}$), while attitude is not ($r = 0.081$). Overall, student social and emotional learning is positively correlated with attitude ($r = 0.191^{**}$), knowledge ($r = 0.384^{**}$), awareness ($r = 0.462^{**}$), skill ($r = 0.425^{**}$), and general interpersonal communicative skills ($r = 0.503^{**}$).

Table 6. Significant Relationship between Social and Emotional Learning and Interpersonal Communicative Competence of Students

Social and Emotional Learning	Interpersonal Communicative Competence				
	Attitudes	Knowledge	Awareness	Diligence	Overall
Self-awareness	.210 ^{**}	.232 ^{**}	.401 ^{**}	.292 ^{**}	.388 ^{**}
	.000	.000	.000	.000	.000
Self-Management	.176 ^{**}	.348 ^{**}	.354 ^{**}	.376 ^{**}	.433 ^{**}
	.000	.000	.000	.000	.000
Perseverance	.177 ^{**}	.339 ^{**}	.376 ^{**}	.364 ^{**}	.433 ^{**}
	.000	.000	.000	.000	.000
Bounce-back	.060	.269 ^{**}	.280 ^{**}	.256 ^{**}	.300 ^{**}
	.201	.000	.000	.000	.000
Confidence	.081	.241 ^{**}	.335 ^{**}	.272 ^{**}	.318 ^{**}
	.084	.000	.000	.000	.000
Safety	.134 ^{**}	.243 ^{**}	.248 ^{**}	.282 ^{**}	.312 ^{**}
	.004	.000	.000	.000	.000
Overall	.191^{**}	.384^{**}	.462^{**}	.425^{**}	.503^{**}
	.000	.000	.000	.000	.000

This study supports numerous individual studies and reviews on social and emotional learning, which improve self-perception, empathy, prosocial behavior, behavioral and emotional problems, and academic performance (41). This shows that students with excellent social and emotional learning have good interpersonal communication skills. Schools should encourage social and emotional learning to boost students' academic and personal performance. Many studies have linked social and emotional learning to happiness and academic success, whereas failing to acquire these skills can lead to personal, social, and academic problems (42).

3.7 Significant Relationship Between Intercultural Communication and Interpersonal Communicative Competence of Students

This table illustrates the significant relationship between intercultural skills and interpersonal communication skills of students. Based on the results, there is a positive correlation between self-disclosure and knowledge ($r = 0.291^{**}$), awareness ($r = 0.211^{**}$), and skill ($r = 0.187^{**}$), as well as total interpersonal communicative skills ($r = 0.257^{**}$). However, it has no correlation with attitude ($r = 0.042$).

Table 7. Significant Relation Between Intercultural Communication Skill and Interpersonal Communicative Competence of Students

Intercultural Communication Skill	Interpersonal Communicative Competence				
	Attitudes	Knowledge	Awareness	Diligence	Overall
Self-disclosure	.042	.291 ^{**}	.211 ^{**}	.187 ^{**}	.257 ^{**}
	.376	.000	.000	.000	.000
Empathy	.060	.292 ^{**}	.303 ^{**}	.328 ^{**}	.339 ^{**}
	.201	.000	.000	.000	.000
Social Relaxation	.050	.304 ^{**}	.265 ^{**}	.305 ^{**}	.320 ^{**}
	.283	.000	.000	.000	.000
Assertiveness	.037	.328 ^{**}	.239 ^{**}	.317 ^{**}	.321 ^{**}
	.429	.000	.000	.000	.000
Altercentrism	.102 [*]	.281 ^{**}	.180 ^{**}	.267 ^{**}	.289 ^{**}
	.029	.000	.000	.000	.000
Interaction Management	.112 [*]	.455 ^{**}	.381 ^{**}	.383 ^{**}	.463 ^{**}
	.017	.000	.000	.000	.000
Expressiveness	.080	.297 ^{**}	.256 ^{**}	.232 ^{**}	.302 ^{**}
	.087	.000	.000	.000	.000
Supportiveness	.136 ^{**}	.288 ^{**}	.292 ^{**}	.312 ^{**}	.356 ^{**}
	.004	.000	.000	.000	.000
Immediacy	.191 ^{**}	.307 ^{**}	.412 ^{**}	.297 ^{**}	.415 ^{**}
	.000	.000	.000	.000	.000
Environmental Control	.115 [*]	.462 ^{**}	.367 ^{**}	.417 ^{**}	.474 ^{**}
	.014	.000	.000	.000	.000
Overall	.148^{**}	.518^{**}	.460^{**}	.476^{**}	.557^{**}
	.002	.000	.000	.000	.000

Similarly, a significant correlation was demonstrated between empathy and knowledge ($r = 0.292^{**}$), awareness ($r = 0.303^{**}$), skill ($r = 0.328^{**}$), and total interpersonal communicative skills ($r = 0.339^{**}$), with no correlation with attitude ($r = 0.060$). Calmness in social situations also showed a significant correlation with knowledge ($r = 0.304^{**}$), awareness ($r = 0.265^{**}$), skill ($r = 0.305^{**}$), and general interpersonal communicative skills ($r = 0.320^{**}$), but no correlation with attitude ($r = 0.050$). Moreover, the ability to defend oneself exhibited a significant correlation with knowledge ($r = 0.328^{**}$), awareness ($r = 0.239^{**}$), skill ($r = 0.317^{**}$), and general interpersonal communicative skills ($r = 0.321^{**}$), but not with attitude ($r = 0.037$).

Consideration of others showed a weak correlation with attitude ($r = 0.102^*$), but a positive correlation with knowledge ($r = 0.281^{**}$), awareness ($r = 0.180^{**}$), skills ($r = 0.267^{**}$), and

general interpersonal communicative skills ($r = 0.289^{**}$). Relationship management also demonstrated a weak relationship with attitude ($r = 0.112^*$), but a positive relationship with knowledge ($r = 0.455^{**}$), awareness ($r = 0.381^{**}$), skill ($r = 0.383^{**}$), and general interpersonal communicative skills ($r = 0.463^{**}$). The ability to express emotions showed a positive correlation with knowledge ($r = 0.297^{**}$), awareness ($r = 0.256^{**}$), skill ($r = 0.232^{**}$), and general interpersonal communicative skills ($r = 0.302^{**}$), with no relationship with attitude ($r = 0.080$).

Additionally, intercultural communication also exhibited a positive correlation based on attitude support ($r = 0.136^{**}$), knowledge ($r = 0.288^{**}$), awareness ($r = 0.292^{**}$), skill ($r = 0.312^{**}$), and general interpersonal communicative skill ($r = 0.356^{**}$). The ability to be close to indicators of interpersonal communicative skills such as attitude ($r = 0.191^{**}$), knowledge ($r = 0.307^{**}$), awareness ($r = 0.412^{**}$), skills ($r = 0.297^{**}$), and general interpersonal communicative skills ($r = 0.415^{**}$). Finally, environmental management showed a positive relationship with knowledge ($r = 0.462^{**}$), skill ($r = 0.367^{**}$), awareness ($r = 0.417^{**}$), and total interpersonal communicative skills ($r = 0.474^{**}$). There is a weak correlation between environmental management and attitude ($r = 0.115^*$). Overall, intercultural communicative skills have a positive and significant relationship with attitude ($r = 0.148^{**}$), knowledge ($r = 0.518^{**}$), awareness ($r = 0.460^{**}$), skill ($r = 0.476^{**}$), and total interpersonal communicative skill ($r = 0.557^{**}$). The role of cultural competence in enhancing interpersonal and intercultural communication by discussing five main benefits. This includes improving communication skills, responding to language variety, ensuring clarity in the presentation of information, enhancing knowledge, strengthening dignity, and respect for other cultures. In addition to the essay, being a good intercultural communicator requires knowledge and performance that necessitate effectiveness, appropriateness, and empathy in communication. It is also mentioned that intercultural communication affects the communication process by influencing values, traditions, social and political relations, and the perception of those who receive and send the message (43).

3.8 Significant Influence of Academic Resiliency, Social and Emotional Learning, Intercultural Communication Skill on Interpersonal Communicative Competence of Students

This table presents the regression analysis examining the influence of academic stability, social and emotional learning, and intercultural skills on interpersonal communicative skills of students. Academic resilience scored (B) 0.048 and (β) 0.067. However, it obtained a t-value of 1.272 and a p-value of 0.204, indicating that the relationship between academic stability and interpersonal communicative skills is insignificant.

Table 8. *Significant Influence of Academic Resiliency, Social and Emotional Learning, Intercultural Communication Skill on Interpersonal Communicative Competence of Students*

Interpersonal Communicative Competence

(Variables)	B	B	T	Sig.
Constant	1.840		13.464	.000
Academic Resiliency	.048	.067	1.272	.204
Social and Emotional Learning	.177	.218	3.832	.000
Intercultural Communication Skill	.353	.385	7.820	.000
R	.593			
R ²	.352			
ΔR	.348			
F	81.855			
P	.000			

Meanwhile, social and emotional learning obtained (B) 0.177 and (β) 0.218. This was shown with a t-value of 3.832 and a p-value of 0.000, indicating a positive relationship between social and emotional learning and interpersonal communicative skills. Additionally, intercultural skills obtained (B) 0.353 and (β) 0.385. Its t-value showed 7.820 and p-value 0.000, suggesting a positive relationship between the two variables. Overall, based on regression analysis, intercultural communicative skills and social and emotional learning are significant predictors of students' interpersonal skills.

When speaking of intercultural communication, it usually refers to situations in which the people involved in the interaction value their group identities. This could be their national origin, ethnicity, or other important aspects of the culture they belong to. But it's not just about individual identities; it also includes the deeper characteristics, history, values, customs, and communication methods associated with these larger cultural groups. Thus, intercultural communication is not only about personal differences; it is also about understanding and navigating complex contexts (44). Initiating relationships, expressing oneself, sharing personal information, providing emotional support, and resolving conflicts are positively connected to cooperation, support, taking initiative, and mutual understanding in relationships. These skills were also strongly connected to the emotional intelligence of the group studied. This suggests that these interpersonal skills and emotional intelligence will help students thrive in society and succeed in their future professions (45). Additionally, social and emotional learning is important for being effective in life and has a positive impact on emotional health as well as interpersonal relationships (46).

3.9 Regression Weights of the 3 Generated Models

Table 9. *Regression Weights of the 3 Generated Models*

Exogenous Variables to Endogenous Variable			
Model	Academic Resiliency	Social and Emotional Learning	Intercultural Communicative Competence
1	.059**	.064**	.033 ^{NS}
2	.053 ^{NS}	.025 ^{NS}	.075 ^{NS}
3	.033 ^{NS}	.075 ^{NS}	.131*

In the first model, the relationship between academic resilience and interpersonal communicative skills shows a regression weight of 0.059**, indicating a positive relationship. Similarly, social and emotional learning exhibits a regression weight of 0.064**, also indicating a positive relationship with interpersonal communicative skills. However, students' intercultural communicative skills and interpersonal skills show no significant relationship based on the regression weight of 0.033NS.

In the second model, the regression weight between academic stability and interpersonal skills is shown at 0.053NS, indicating no significant relationship. Additionally, there is no relationship between social and emotional learning and interpersonal skills of students in this model, with a regression weight of 0.025NS. Intercultural communicative skills and interpersonal skills also show no significant relationship in this model, with a regression weight of 0.075NS.

In the third model, only intercultural communicative skills exhibit a positive relationship with interpersonal skills, with a regression weight of 0.131**. However, there is no significant relationship between the two exogenous variables, academic resilience, with a regression weight of 0.033NS, and social and emotional learning, with a regression weight of 0.075NS, with the endogenous variable interpersonal communicative skills of students.

This underscores that effective speakers must be able to control and manipulate their environment to achieve their personal goals. To do this effectively, they need to know their goals, gather information, be aware of how others respond, and choose the right communication strategy. In general, communication skills mean having personal ability in defining and achieving goals, and communicating effectively with others. Therefore, intercultural communication competence means the ability to effectively convey cultural meanings and identities in a specific communication context (47).

3.10 Summary of Goodness of Fit Measures of the Three Generated Models

The first model has a CMIN/DF ratio of 5.151, the second model has a CMIN/DF ratio of 3.234, and the third model has a CMIN/DF ratio of 1.263. Values between 0 and 2 can be said to indicate model fit. Only the third model achieves this.

Table 10. Goodness of Fit Measures of the Three Generated Models

Model	P-value (>0.05)	CMIN / DF (0<value <2)	GFI (>0.95)	CFI (>0.95)	NFI (>0.95)	TLI (>0.95)	RMSEA (<0.05)	P-close (>0.05)
1	.000	5.151	.810	.737	.695	.710	.096	.000
2	.000	3.234	.861	.860	.810	.844	.070	.000
3	.103	1.263	.980	.991	.960	.986	.024	.997

Legend: CMIN/DF – Chi Square/Degrees of Freedom NFI –Normed Fit Index

GFI – Goodness of Fit Index

TLI -Tucker-Lewis Index

RMSEA – Root Mean Square of Error Approximation

CFI– Comparative Fit Index

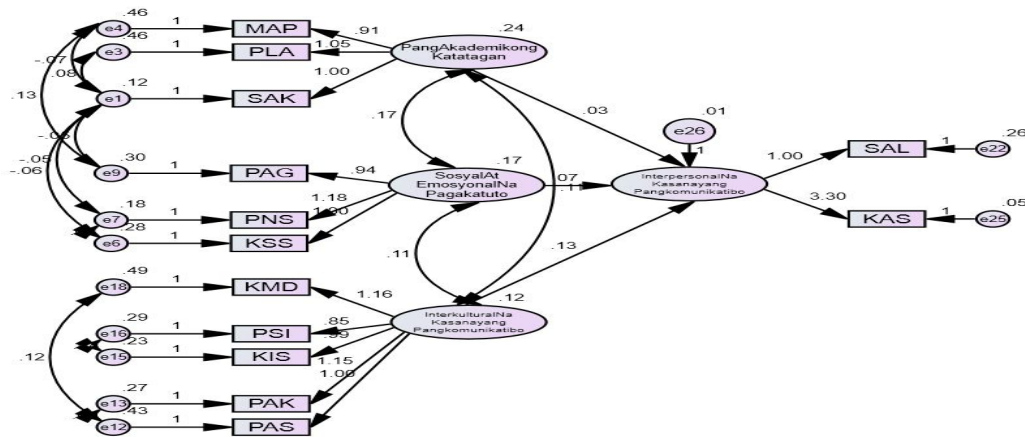


Fig 2. Generated Model

Overall, the third model demonstrates appropriateness based on the general goodness-of-fit indices, including acceptable values. Specifically, for GFI, CFI, NFI, and TLI, only the third model achieves values greater than 0.95, indicating compatibility with all the mentioned models.

4. CONCLUSION

Students' academic resilience is strong showing frequent resilience. This shows that students can be resilient despite academic issues. Social and emotional learning markers in Region XII were high, showing that AB Filipino and BSED Filipino students typically exhibit these traits. Overall, students' intercultural communication skills were high, suggesting their strength in intercultural communication. The interpersonal communication skill was highly rated, indicating frequent demonstration by pupils. Academic resilience rated (B) 0.048 and (β) 0.067. Its t-value is 1.272 and p-value is 0.204, showing no relationship. Social and emotional learning provided (B) 0.177 and (β) 0.218. Social and emotional learning and interpersonal communicative abilities were positively correlated with a t-value of 3.832 and a p-value of 0.000. Additionally, intercultural skills (B) 0.353 and (β) 0.385 were achieved. Its 7.820 t-value and 0.000 p-value indicate a positive relationship between the variables. Regression research shows that intercultural speaking skills and social and emotional development influence students' interpersonal abilities. General goodness-of-fit indices, including acceptable values, show that the third model is appropriate.

In conclusion, the socio-ecological model shows how environmental influences affect academic stability, social and emotional learning (SEL), and interpersonal and intercultural communication. Foundational personal attributes and skills include self-efficacy and empathy. Social support from family, friends, and teachers is vital. Organizational factors like school policies and culture determine the academic environment and affect interpersonal and intellectual communication. It also supports the socio-cognitive theory, which links interactions and intellectual processes to human growth over life. Understanding how attitudes and beliefs affect learning challenges increases academic resilience. It shows how cognitive processes like understanding and learning are essential to interpersonal and intercultural communication.

Based on the results of this research, it is recommended to integrate social and emotional learning (SEL) into intercultural communication programs. Promoting academic resilience, providing targeted communication training, and enhancing experiences in diverse cultures are crucial. Establishing teaching programs and ongoing evaluation of interventions for improvement are also essential. These efforts can empower students with the necessary skills for success in academic, professional, and personal aspects of their lives.

In the context of intercultural communication, the researcher suggests that students further strengthen their intercultural communication skills to consider others in their communication and management activities within their social environment. This can further enhance their communication effectiveness with cultural competence. Furthermore, the researcher recommends intensifying programs for improving interpersonal communication, particularly in terms of knowledge acquisition, which has shown only moderate levels. Integration of these programs into classroom lessons is also necessary.

Disclaimer (Artificial intelligence)

Option 1:

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Details of the AI usage are given below:

- 1.
- 2.
- 3.

CONSENT AND ETHICAL APPROVAL

The researcher followed ethical considerations in conducting the study, such as privacy, voluntary participation, risks, benefits, confidentiality, and conflict of interest. Additionally, the researcher secured informed consent forms from the participants and obtained an approved letter of permission to conduct the study in the locale. Certification was issued by the University of Mindanao Ethics Review Committee to the researcher for honest and valid flow of the study.

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DEFINITIONS, ACRONYMS, ABBREVIATIONS

Term: Definition for the term

Legend:

KAL-Kaligtasan

KSS-KaalamansaSarili

KAK-Kakayahan

KUS-KumpiyansasaSarili	SAK-SarilingKakayahan	SAL-Saloobin
PAG-Pagbangon	KON-Kontrol	KAA-Kaalaman
KAT-Katatagan	PLA-Plano	KAM-Kamalayan
PNS-Pagsisiwalat ng Sarili	MAP- MababangPagkabalisa	KAS-Kasanayan
PSK-PamamahalasaKapaligiran	KMM- KakayahangmagingMalapit	SUP-Suporta
KMD-Kakayahang Maipadama ang Damdamin	PPU-Pamamahala sa Pakikipag-ugnayan	PSI-Pagsasaalang- alang sa iba
KIS-Kakayahang ipagtanggol ang Sarili	PKS-Pagiging Kalamado sa Sosyal na Sitwasyon	PAK-Pakikiramay
PAS-Pagsisiwalat ng Sarili		

UNDER PEER REVIEW