

## Chapter 3

### PRESENTATION, ANALYSIS AND INTERPRETATION OF DATA

This chapter shows presentation of tables, analysis, and interpretation of the data gathered by the researchers. It includes the profile of the respondents, the survey questions as well as the statistical treatment used in the study.

#### 1. Demographic profile of the respondents.

**Table 1**

**Age of the Respondents**

<b>Category</b>	<b>Frequency</b>	<b>Percentage</b>	<b>Rank</b>
<b>15-18 years old</b>	3	6	5
<b>19-22 years old</b>	21	42	1
<b>23-26 years old</b>	15	30	2
<b>27-30 years old</b>	7	14	3
<b>31 and above</b>	4	8	4
<b>Total</b>	50	100	

Table 1 shows the demographic profile of the respondents in terms of age. Out of 50 or 100% of the respondents 3 or 6% are belong to the age group of 15-18 years old at rank 5. The respondents 21 or 42% are belong to the age group of 19-22 years old at rank 1. The respondents 15 or 30% are belong to the age group of 23-26 years old at rank 2. The respondents 7 or 14% are belong to the age group of 27-30 years old at rank 3. And lastly, the respondents 4 or 8% are belong to the age group of 31 years old and above at rank 4.

As reported by Canadian medical association program (2019) When exposed to specific risks in the home, young children may suffer injury. We conducted multicenter case-control research in which we examined the dangers in the homes of children with and without injuries in order to better understand the relationship between various childproofing techniques and the risk of injuries to children in the home. Hazards found in the homes included baby walkers (21% of homes with infants), no functioning smoke alarm (17% of homes) and no fire extinguisher (51% of homes). Cases did not differ from controls in the mean proportion of home hazards. After controlling for siblings, maternal education and employment, we found that cases differed from controls for 5 hazards: the presence of a baby walker (odds ratio [OR] 9.0, 95% confidence interval [CI] 1.1–71.0), the presence of choking hazards within a child's reach (OR 2.0, 95% CI 1.0–3.7), no

child-resistant lids in bathroom (OR 1.6, 95% CI 1.0–2.5), no smoke alarm (OR 3.2, 95% CI 1.4–7.7) and no functioning smoke alarm (OR 1.7, 95% CI 1.0–2.8). Homes of children with injuries differed from those of children without injuries in the proportions of specific hazards for falls, choking, poisoning and burns, with a striking difference noted for the presence of a baby walker. In addition to counselling parents about specific hazards, clinicians should consider that the presence of some hazards may indicate an increased risk for home injuries beyond those directly related to the hazard found.

**Table 2****Respondents as to Sex**

<b>Category</b>	<b>Frequency</b>	<b>Percentage</b>	<b>Rank</b>
<b>Male</b>	23	46	2
<b>Female</b>	27	54	1
<b>Total</b>	50	100	

Table 2 displays the frequency and percentage of respondents in terms of sex. Out of 50 or 100% of the respondents 23 or 46% are belong to the male at rank 2, and lastly from the female fall in 27 or 54% of the respondents at rank 1.

According to Nilay Yavuz and Eric W. Welch (2019) Research has identified several factors that, hasn't been much discussion of how gender affects how successful fear-reduction strategies are. Using information from the 2003 Chicago Transit Authority Customer Satisfaction Survey, this study attempts to determine if train safety procedures and service characteristics have distinct effects on men and women. Findings indicate that, while the presence of video cameras has a lower effect on women's feelings of safety compared with men, frequent and on-time service matters more to male passengers. Additionally, experience with safety-related problems affects women significantly more than men.

**Table 3**  
**Respondents as to Civil Status**

<b>Category</b>	<b>Frequency</b>	<b>Percentage</b>	<b>Rank</b>
<b>Single</b>	41	82	1
<b>Married</b>	9	18	2
<b>Separated</b>	0	0	3
<b>Widowed</b>	0	0	4
<b>Total</b>	50	100	

Table 3 shows the frequency and percentage of respondents in terms of civil status. Out of 50 or 100% of the respondents 41 or 82% are belong to the single at rank 1, and lastly from the married fall in 9 or 18% of the respondents at rank 2.

In the Philippines, legal classifications of civil status—such as Single, Married, Widowed, or Legally Separated—are defined by Respicio & Co. (2023). Deviation from these recognized categories can lead to misunderstandings and may not hold legal validity. Accurately declaring one's civil status is essential, as it influences various legal rights and obligations, extending beyond mere bureaucratic formality. This accuracy is especially vital in the context of safety measures in tourism; for instance,

individuals traveling alone may face different risks compared to couples or families. Ensuring truthful representation of civil status helps in implementing appropriate safety protocols and access to resources tailored to specific needs, thereby enhancing overall traveler protection.

## 2. What are the safety measures of Hinulugang Taktak in terms of;

**Table 4**

### **Incident**

**2.1 Incident** an unexpected event that disrupts normal operations, potentially causing harm, injury, or damage.

<b>Indicators</b>	<b>Weighted Mean</b>	<b>Verbal Interpretation</b>	<b>Rank</b>
1. There is accessible emergency room for Tourists and locals in Hinulugang taktak in case of Incident/Emergency.	2.60	A	2
2. They had the safety cautions put all over the place.	2.30	D	3
3. Employees are adequately trained to recognize hazards and respond to incidents.	2.70	A	1
4. There is safety protocols and Guidelines in terms of incident in Hinulugang Taktak.	2.16	D	5
5. They have the sufficient number of security guard and medical personnel in Hinulugang taktak that can ensure the safeness of the tourist in terms of Incident.	2.24	D	4
<b>Composite Weighted Mean</b>	2.40	D	

Table 4 shows the assessment of the respondents in the incident that an unexpected event that disrupts normal operations, potentially causing harm, injury, or damage, got a composite weighted mean of 2.40 interpreted as Disagree.

In the first indicator “There is accessible emergency room for Tourists and locals in Hinulugang taktak in case of Incident/Emergency.” Got weighted mean of 2.60 interpreted as agree at rank 2. The second indicator “They had the safety cautions put all over the place.” got weighted mean of 2.30 as disagree at rank 3. The third indicator “Employees are adequately trained to recognize hazards and respond to incidents.” got a weighted 2.70 as agree at rank 1. The fourth indicator “There is safety protocols and Guidelines in terms of incident in Hinulugang Taktak.” Got weighted mean of 2.16 as disagree at rank 5. And lastly, the fifth indicator “They have the sufficient number of security guard and medical personnel in Hinulugang taktak that can ensure the safeness of the tourist in terms of Incident.” got a weighted mean of 2.24 as disagree at rank 4.

In reference of Himel (2019) in emergencies, predicting employee reactions can be challenging. However, training enhances predictability by equipping employees with the necessary information to make informed decisions and respond more quickly. Whether it's deciding to evacuate or stay put, understanding who is in charge during a crisis, or knowing who



can communicate with the media, well-trained employees are more likely to adhere to emergency procedures, improving the chances of a safe resolution.

**TABLE 5**

**Natural Disaster**

**2.2 Natural Disaster** a catastrophic event caused by natural forces that result in significant damage, destruction, and loss of life.

<b>Indicators</b>	<b>Weighted Mean</b>	<b>Interpretation</b>	<b>Rank</b>
<b>2.2.1</b> Hinulugang taktak have a provided ways/practice to ensure the safety of their tourists in case of Natural Disaster.	2.52	A	1
<b>2.2.2</b> They have the overall safety measure the management is implementing.	1.98	D	3.5
<b>2.2.3</b> There are practices provided by Hinulugang Taktak to ensure the safety of their tourists during natural disaster.	1.98	D	3.5
<b>2.2.4</b> The employees and occupants regularly trained on how to respond to natural disasters specific to the area's location.	2.08	D	2
<b>2.2.5</b> There are evacuation routes and safe zones are designated within the area in case of a natural disaster.	1.66	D	5
<b>Composite Weighted Mean</b>	2.04	D	

Table 5 show the assessment of the respondents in the catastrophic event caused by natural forces that result in significant damage, destruction, and loss of life, got a composite weighted mean of 2.04 interpreted as Disagree.

In the first indicator “Hinulugang taktak have a provided ways/practice to ensure the safety of their tourists in case of Natural Disaster.” got a weighted mean of 2.52 as agree at rank 1. The second indicator “They have the overall safety measure the management is implementing.” Got a weighted mean of 1.98 as disagree at rank 3.5. The third indicator “There are practices provided by Hinulugang Taktak to ensure the safety of their tourists during natural disaster.” Got a weighted mean 1.98 as disagree at rank 3.5. The fourth indicator “The employees and occupants regularly trained on how to respond to natural disasters specific to the area’s location.” Got a weighted mean 2.08 as disagree at rank 2. And lastly “There are evacuation routes and safe zones are designated within the area in case of a natural disaster.” Got a weighted mean of 1.66 as disagree at rank 5.

As stated by Binasoy (2021) After producing 139 tons of garbage every day in 2011, Antipolo City passed Ordinance 2008-287, popularly known as the "Basura Code," which forbids littering. The water was contaminated and smelled bad as a result of domestic activities and trash

being dumped into the river. In the instance of Hinulugang Taktak, snow-white soap suds from sewage and laundry water waste upstream nearly completely covered the lagoon at the base of the waterfalls.

According to the Laguna Lake Development Authority's 2011 Water Quality Assessment of the Sapang Baho River, which sampled the water at Taktak Falls during both the wet and dry seasons, it was discovered that there were "very evident and pungently odorous bubbles on the surface of the water." The rapid-moving water from the falls makes the sand/pebble bottom, dehydrated leaves and branches, and trash visible. According to Greenpeace, wastewater from various sources, including home sewage, which carries diseases that endanger human health and life, accounts for the majority of water pollution in the Philippines.

**TABLE 6****Infrastructure and Facility**

**2.3 Infrastructure and Facility** refer to the physical structures, systems, and resources designed to enhance safety and protect individuals in a given environment.

<b>Indicators</b>	<b>Weighted mean</b>	<b>Interpretation</b>	<b>Rank</b>
<b>2.3.1</b> Facilities and Attraction in Hinulugang taktak are safe for Tourists.	1.68	D	5
<b>2.3.2</b> Hinulugang taktak Facilities and Attractions are accessible and safe for kids and elderly people.	1.96	D	3
<b>2.3.3</b> They are satisfied with the safety of the equipment used for extracurricular activities.	2.46	D	1
<b>2.3.4</b> All areas of the facility designed to prevent accidents and injuries.	2.12	D	2
<b>2.3.5</b> There are proper safety measures for fire prevention, and fire exits are clearly marked and accessible.	1.86	D	4
<b>Composite weighted mean</b>	2.02	D	

Table 6 show the assessment of the respondents in the infrastructure and facilities refer to the physical structures, systems, and resources

designed to enhance safety and protect individuals in a given environment, got a composite weighted mean of 2.02 interpreted as Disagree.

In the first indicator “Facilities and Attraction in Hinulugang taktak are safe for Tourists” got a weighted mean of 1.68 as disagree at rank 5. The second indicator “Hinulugang taktak Facilities and Attractions are accessible and safe for kids and elderly people” got weighted mean 1.96 as disagree at rank 3. The third indicator “They are satisfied with the safety of the equipment used for extracurricular activities” got a weighted mean of 2.46 as disagree at rank 1. The fourth indicator “All areas of the facility designed to prevent accidents and injuries” got weighted mean of 2.12 as disagree at rank 2. And lastly “There are proper safety measures for fire prevention, and fire exits are clearly marked and accessible” got a weighted mean of 1.86 as disagree at rank 4.

In reference of Binasoy (2021) The Department of Environment and Natural Resources (DENR) and the Antipolo local government came to an agreement in 2009 to restore Hinulugang Taktak, and they worked on it for three years. The group declared that P100 million will be pooled for the project. DENR and the Mayor's Office each promised P30 million toward the project. Officials from the DENR provincial office and the City Environment and Waste Management Office (CEWMO) acknowledged that

despite improvements like a refurbished swimming pool, newly constructed restrooms, and a gift shop, the rehabilitation plan did not go through because of staffing and authority changes in the government. The provincial administration of Rizal and Governor Nini Ynares were given a bioremediation method by biotechnologist Dr. Egay Maranan as an environmentally friendly way to raise the water quality in Hinulugang Taktak.

**Table 7**

**Summary for the assessment of the respondents in the Assessing Safety Measure of The Tourist in Hinulugang Taktak, Antipolo City: A Proposed Guidelines.**

<b>Variables</b>	<b>Composite Weighted Mean</b>	<b>Verbal Interpretation</b>	<b>Rank</b>
<b>Incident</b>	<b>2.40</b>	<b>D</b>	<b>1</b>
<b>Natural Disaster</b>	<b>2.04</b>	<b>D</b>	<b>2</b>
<b>Infrastructure and Facility</b>	<b>2.02</b>	<b>D</b>	<b>3</b>
<b>Overall Weighted Mean</b>	<b>2.15</b>	<b>D</b>	

Table 7 Summary for the assessment of the respondents in the Assessing Safety Measure of The Tourist in Hinulugang Taktak, Antipolo City: A Proposed Guidelines. Out of 20 or 100% of the respondents. Incident has a composite weighted mean 2.40 as disagree at rank 1. Second belong to the Natural disaster of composite weighted mean 2.04 as disagree at rank 2. Lastly from the Infrastructure and Facility has a composite weighted mean of 2.02 as a disagree at rank 3.

**Table 8**

**Problems encountered by the respondents regarding safety measure.**

	<b>Category</b>	<b>Frequency</b>	<b>Percentage</b>	<b>Rank</b>
34	Lack of warning signs regarding safety measure.	34	9.63	6
33	Lack of equipment for their extra-curricular activities.	33	9.35	7
44	Steep and dangerous stairs.	44	12.46	1.5
42	Wet and slippery way posing a risk of incident.	42	11.90	3
20	Lack of life guards in pool area.	20	5.67	10
30	Lack of emergency room in case of incident.	30	8.50	8
26	Poorly marked or insufficient fire exits.	26	7.37	9
38	Bad smell of water falls posing a risk for tourists' health.	38	10.76	5
44	Lack of well-maintained facilities.	44	12.46	1.5
41	Overcrowding During Peak Seasons.	41	11.61	4
1	<b>Others, please specify</b>	1	0.28	11
	<b>Total:</b>	353	100	



Table 7 shows the assessment of the respondents in problems encountered by the respondents regarding safety measure got a frequency of 353 interpreted as percentage of 100. In the first indicator "Lack of warning signs regarding safety measure" got a frequency of 34 as 9.63% at rank 6. The second indicator "Lack of equipment for their extra-curricular activities" got a frequency of 33 as 9.35% at rank 7. The third indicator "Steep and dangerous stairs" got a frequency of 44 as 12.46% at rank 1.5. the fourth indicator "Wet and slippery way posing a risk of incident" got a frequency of 42 as 11.90% at rank 3. The fifth indicator "Lack of life guards in pool area" got a frequency of 20 as 5.67 at rank 10. The sixth indicator "Lack of emergency room in case of incident" got a frequency of 30 as 8.50% at rank 8. The seventh indicator "Poorly marked or insufficient fire exits" got a frequency of 26 as 7.37% at rank 9. The eighth indicator "Bad smell of water falls posing a risk for tourists' health" got a frequency of 38 as 10.76% at rank 5. The ninth indicator "Lack of well-maintained facilities" got a frequency of 44 as 12.46% at rank 1.5. And lastly, the ten "Overcrowding During Peak Seasons" got a frequency of 41 as 11.61% at rank 4.

And lastly, the last category which is "others" there are 1 problem that the respondents answered which is "nasubukan namin yung spider web na activity and napansin ko may mga rope na medyo loose na, as a tourist medyo nakakapangamba lang."

This is supported by Binasoy (2021) stated that Hinulugang Taktak gained popularity with tourists at the same time that the city began to modernize. Along with an increase in businesses and people, the tendency of building institutions and infrastructure also increased. The city did nothing except watch as harsh human behavior, bad maintenance, and carelessness that directly resulted in pollution.

## **Chapter 4**

### **DISCUSSION**

This chapter presents the summary of the findings, conclusion, recommendations, and proposed output of the study based on the problems raised and the data analyzed in the previous chapter. The findings were based on the data collected from the Tourists in Hinulugang Taktak, Antipolo City who served as the respondents of the study. Moreover, it reflected the conclusion drawn and the recommendations formulated thereafter.

#### **Summary of Findings**

Based on the discussions and interpretations of the gathered data, the followings finding were revealed.

##### **1. Demographic profile of the respondents in terms of age and sex.**

Researchers found that the respondents in terms of age. Out of 50 or 100% of the respondents 3 or 6% are belong to the age group of 15-18 years old at rank 5. The respondents 21 or 42% are belong to the age group of 19-22 years old at rank 1. The respondents 15 or 30% are belong to the age group of 23-26 years old at rank 2. The respondents 7 or 14% are

belong to the age group of 27-30 years old at rank 3. And lastly, the respondents 4 or 8% are belong to the age group of 31 years old and above at rank 4.

## **2. The assessing the safety measure of the tourist in terms in Incident, Natural Disaster and Infrastructure and Facility**

The respondents disagreed that the assessing the safety measure of the tourist in terms in incident, natural disaster and infrastructure and facility was evaluated as “Disagree with 2.15 of overall weighted mean

## **3. Problems encountered by the respondents regarding safety measure.**

Problems include of lack of warning signs, lack of equipment, steep and dangerous stairs, wet and slippery way posing, lack of life guards, lack of emergency room, insufficient fire exits, bad smell of water falls, lack or well-maintained facilities and overcrowding during peak season. Overall, the agreement on problems got a frequency of 353 interpreted as a percentage of 100.

## CONCLUSIONS

Based on the findings, the researchers have drawn the following conclusions:

1. The respondents profile shows a majority in the ages both 19-22 years old and 23-26 years old. It shows that the majority of tourists in Hinulugang Tatak as respondents are young adults. The respondents profile shows that the female got the highest percentage. The respondents as to civil status also shows that the single got the highest rank.
2. In terms of Safety measures the researchers concluded that the overall assessment of safety measures at Hinulugang Taktak by tourists was "Disagree", indicating a general perception that safety measures are inadequate. This perception is consistent across all three areas assessed: incidents, natural disasters, and infrastructure and facilities.
3. Problems Encountered: Tourists identified several key problems related to safety measures, including: Lack of warning signs, lack of equipment for extracurricular activities, steep and dangerous stairs, wet and slippery pathways, lack of lifeguards, lack of emergency

rooms, insufficient fire exits, bad smell of the water, lack of well - maintained facilities, overcrowding during peak seasons.

4. Recommendations for Improvement: The study strongly suggests the need for improvements in safety measures at Hinulugang Taktak to address the concerns raised by tourists. Specific recommendations include: Implementing clear and visible warning signs throughout the area, providing adequate equipment for extracurricular activities, improving the safety of stairs and pathways, ensuring the presence of lifeguards in designated areas, establishing emergency rooms or designated first aid stations, improving the accessibility and visibility of fire exits, addressing the water quality issues to mitigate the bad smell, maintaining facilities regularly to ensure their safety and functionality, developing strategies to manage overcrowding during peak seasons.

In conclusion, the study highlights the need for a comprehensive approach to improving safety measures at Hinulugang Taktak to ensure a positive and secure experience for tourists.

## RECOMMENDATIONS

Based on the findings and conclusions, the following recommendations were formulated:

1. Create alternative strategies for various situations, including uncommon yet high-impact events such as natural disasters or Incident. Make sure these plans address the safety of not only tourists but also local residents and tourism personnel.
2. Establish designated "safe zones" equipped with advanced safety measures, healthcare services, and emergency response facilities. Develop a network of these areas to ensure that tourists always have access to a secure location nearby.
3. Make certain that safety infrastructure, such as evacuation routes and emergency shelters, is accessible to everyone, including individuals with disabilities, children, and elderly visitors.
4. Develop infrastructure that enhances safety while prioritizing environmental sustainability, such as using eco-friendly building

materials and preserving natural barriers to mitigate potential hazards.

5. Ensure availability of healthcare facilities that address a range of medical needs, including emergency services, telemedicine solutions, and collaborations with local hospitals and clinics.
6. Install appropriate waste segregation bins and position color-coded or labeled containers in key areas to separate biodegradable, recyclable, and non-recyclable materials effectively.
7. Ongoing gear assessments and regularly evaluate the performance of safety gear and practices by gathering tourist feedback and monitoring emerging risks.
8. Design informative signage that teaches visitors about appropriate restroom behavior, hygiene standards, and the features of the facilities.



## PROPOSED OUTPUT

The researchers make recommendations for concepts that can help to maintain the safety measures of hinulugang taktak. This output is significant based on the data acquired and analyzed throughout this study.

<h3>SAFETY GUIDELINES FOR HINULUGANG TAKTAK</h3>
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Wear appropriate footwear and clothing	Wear sturdy closed-toes shoes for activities and comfortable, weather-appropriate clothing for swimming and activities.
Stay within designated areas	Adhere to safety signs and warnings posted around the park, especially those regarding swimming areas and trails.
Be aware of your surroundings	Pay attention to potential hazards like slippery rocks, steep edges and strong currents.
Swimming	While a swimming pool is available, swimming in the waterfall itself is not recommended due to strong

	currents and potential hazard for your health.
Children	Supervise children, especially around water and steep areas in the place.
Emergency Services	In case of an emergency, be aware of the location of emergency services, such as hospitals and police stations, and have plan for contacting them.



## REFERENCES

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## APPENDIX A

### PERMIT LETTER TO CONDUCT A STUDY



**BS TOURISM**  
MANAGEMENT

Date : September 10, 2024

To : Admin of the Hinulugang Taktak

Subject : LETTER TO CONDUCT STUDY

Magandang Buhay!

We are the 4th year Tourism Management students of Bestlink College of the Philippines. We are currently working on our thesis entitled "**ASSESSING THE SAFETY MEASURE OF THE TOURIST IN HINULUGANG TAKTAK, ANTIPOLLO CITY: A PROPOSED GUIDELINES**". This study aims on providing a guide that could help Hinulugang taktak to assess the safety measure of their Tourists.

In view of this, we would like to request your permission for data collection in getting the total numbers of respondents we need to our research study. We would like to assure that all the information obtained shall be treated with utmost confidentiality in accordance with the Ethics of Research.

Thank you for your Consideration!

Sincerely,

The Researchers

Noted:

Ms. Christine A. Aliñabo  
Research Adviser

Approved:

RUBY D. ODULIO Ph. D  
BSTM Program head



BESTLINK COLLEGE OF THE PHILIPPINES

## APPENDIX B

### SURVEY QUESTIONNAIRE

**Name: (Optional)** \_\_\_\_\_

#### **PART I. Demographic Profile of the Respondents:**

**Directions:** Kindly choose from the following boxes that corresponds to your answer by putting check (✓) mark.

##### **1.1 Age**

☐ 15 -18   ☐ 19-22   ☐ 23-26   ☐ 27-30   ☐ 31 Above

##### **1.2 Sex**

☐ Male   ☐ Female

##### **1.3 Civil Status**

☐ Single   ☐ Married   ☐ Separated   ☐ Widowed

#### **PART II. Safety Measure in Hinulugang Taktak**

**Directions:** Rank the safety measure of Hinulugang Taktak. Follow the scale below for rating. Put check (✓) mark in the corresponding rate of your choice.

<b>SCALE</b>	<b>VERBAL INTERPRETATION</b>	<b>DESCRIPTION</b>
4	Strongly Agree (SA)	The respondents totally agree the statement without hesitation.
3	Agree (A)	The respondents agree to the statement and consider it to be correct.
2	Disagree (D)	The respondents are not supporting the statement.
1	Strongly Disagree (SD)	The respondents entirely reject the statement.

## 2.1 Incident

Indicators	4 (SA)	3 (A)	2 (D)	1 (SD)
2.1.1 There is accessible emergency room for Tourists and locals in Hinulugang taktak in case of Incident/Emergency				
2.1.2 They had the safety cautions put all over the the place.				
2.1.3 Employees are adequately trained to recognize hazards and respond to incidents.				
2.1.4 There is safety protocols and Guidelines in terms of incident in Hinulugang Taktak.				
2.1.5 They have the sufficient number of security guard and medical personnel in Hinulugang taktak that can ensure the safeness of the tourist in terms of Incident.				

## 2.2 Natural Disaster

Indicators	4 (SA)	3 (A)	2 (D)	1 (SD)
2.2.1 Hinulugang taktak have a provided ways/practice to ensure the safety of their tourists in case of Natural Disaster.				
2.2.2 They have the overall safety measure the management is implementing.				
2.2.3 There are practices provided by Hinulugang Taktak to ensure the safety of their tourists during natural disaster.				
2.2.4 The employees and occupants regularly trained on how to respond to natural disasters specific to the area's location.				
2.2.5 There are evacuation routes and safe zones are designated within the area in case of a natural disaster.				



### 2.3 Infrastructure and Facility

Indicators	4 (SA)	3 (A)	2 (D)	1 (SD)
<b>2.3.1</b> Facilities and Attraction in Hinulugang taktak are safe for Tourists.				
<b>2.3.2</b> Hinulugang taktak Facilities and Attractions are accessible and safe for kids and elderly people.				
<b>2.3.3</b> They are satisfied with the safety of the equipment used for extracurricular activities.				
<b>2.3.4</b> All areas of the facility designed to prevent accidents and injuries.				
<b>2.3.5</b> There are proper safety measures for fire prevention, and fire exits are clearly marked and accessible.				

**PART III. Problems encountered by the respondents regarding safety measure**

	<b>Indicators</b>
	1. Lack of warning signs regarding safety measure. (Kakulangan sa mga karatula patungkol sa panukalang pangkaligtasan).
	2. Lack of equipment for their extra-curricular activities. (Kakulangan sa gamit para sa kanilang mga aktibidad).
	3. Steep and dangerous stairs. ( <i>Matarik at delikadong hagdan</i> ).
	4. Wet and slippery way posing a risk of incident. ( <i>Basa at madulas na daanan na maaring magdulot ng aksidente</i> ).
	5. Lack of life guards in pool area. ( <i>Kakulangan ng mga life guard sa paliguan</i> ).
	6. Lack of emergency room in case of incident. (Kakulangan sa kwarto kung magkaroon ng insidente).
	7. Poorly marked or insufficient fire exits. ( <i>Maliit o kulang na mga markadong fire exit</i> ).
	8. Bad smell of water falls posing a risk for tourists' health. ( <i>Masamang amoy ng talon na maaring magdulot ng masamang epekto sa kalusugan ng turista</i> ).
	9. Lack of well-maintained facilities. (Kakulangan sa pagpapanatili ng mga pasilidad).
	10. Overcrowding During Peak Seasons. ( <i>Pag dagsa tuwing panahon ng kasagsagan</i> ).

## APPENDIX C

### DOCUMENTATION

Pre-Oral Defense

April 3, 2024



## **APPENDIX D**

### **CERTIFICATE OF ORIGINALITY**

This is to certify, that this research paper is an outcome of our independent and original work. We have duly acknowledged all the sources from which the ideas and extracts have been taken. The project free from any plagiarism and has not been submitted elsewhere for publication.

Affiliated Institution: **BESTLINK COLLEGE OF THE PHILIPPINES**

Title of the paper **ASSESSING THE SAFETY MEASURE OF THE TOURIST IN HINULUGANG TAKTAK, ANTIPOLLO CITY: A PROPOSED GUIDELINES.**

Name of Author (s): **CAL, JOHN ALEN C.**

**ALAPAD, ERICA A.**

**CODAL, NIKKA L.**

**MORA, SIENA MAE JOY R.**

**SILVA, JOHN BERNARD S.**

**APPENDIX E**  
**CERTIFICATE OF GRAMMARIAN**

This is to certify that the Undergraduate Research study entitled  
**ASSESSING THE SAFETY MEASURE OF THE TOURIST IN  
HINULUGANG TAKTAK, ANTIPOLO CITY: A PROPOSED  
GUIDELINES.**

Submitted by its authors

**CAL, JOHN ALEN C.**

**ALAPAD, ERICA A.**

**CODAL, NIKKA L.**

**MORA, SIENA MAE JOY R.**

**SILVA, JOHN BERNARD S.**

has been edited for language, grammar, punctuation, spelling, and overall style. Neither the research contents nor the author's ideas were altered during editing.

**DANA RAE B. BOATIS**

Editor

Date:

**APPENDIX F**  
**STATISTICIAN'S CERTIFICATE**

This is to certify that the Undergraduate Research study entitled  
**ASSESSING THE SAFETY MEASURE OF THE TOURIST IN  
HINULUGANG TAKTAK, ANTIPOLO CITY: A PROPOSED  
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**CODAL, NIKKA L.**

**MORA, SIENA MAE JOY R.**

**SILVA, JOHN BERNARD S.**

has been computed and checked for the proper statistical tools used,  
tabulation presentation, analysis, and interpretation of data.


**DEANIELLE B. MANGAHAS**

Statistician





Date:

## APPENDIX G

### GRAMMARIAN CURRICULUM VITAE



**Contact Information:**

-  +639 1730 11080
-  boatís.danarae@gmail.com
-  Bestlink College of the Philippines
-  164 ACME Rd., San Bartolome, Novaliches, Quezon City

**Expertise**

- Research Writing
- Proofreading
- Copywriting
- Teaching

**Language**

- English
- Filipino

**Memberships**

- Philippine Association of Institutions For Research, Inc. - PAIRS
- Association of Administrators in Hospitality, Hotel and Restaurant Management Educational Institutions - AAHRMEI
- Union of Filipino Tourism Educators, Inc. - UFTE

## DANA RAE B. BOATÍS

**Education**

**Professional Licensed Teacher**  
Professional Regulation Commission  
December 2022

**Master of Education Major in English (MAEd-Eng)**  
National Teachers' College  
August 2021 - on-going

**Bachelor of Secondary Education Major in English**  
Bestlink College of the Philippines  
August 2016 - April 2020

**Work Experience**


**2021 - Present**  
**BSHM Research Coordinator**  
Center for Research and Development  
Bestlink College of the Philippines  
1071 Kaligayahan, Quirino Hi-way, Novaliches, Quezon City

**2020 - Present**  
**Research Grammarian**  
Center for Research and Development  
Bestlink College of the Philippines  
1071 Kaligayahan, Quirino Hi-way, Novaliches, Quezon City

**2020 - Present**  
**Newspaper Co-adviser**  
NEWSLINK: BCP's Official School Publication  
Bestlink College of the Philippines  
1071 Kaligayahan, Quirino Hi-way, Novaliches, Quezon City

**2020 - Present**  
**Instructor 1**  
Bachelor of Science in Hospitality Management  
Bestlink College of the Philippines  
1071 Kaligayahan, Quirino Hi-way, Novaliches, Quezon City

I hereby certify that the above information is true with the best of my knowledge and ability.

  
**Dana Rae B. Boatís, LPT**

## APPENDIX H

## STATISTICIAN CURRICULUM VITAE

## DEANIELLE B. MANGAHAS

MATHEMATICS INSTRUCTOR

LICENSE NO.: 1770215



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E deaniellemangahas.teacher@gmail.com

A Blk 48 Lot 2 P-11 Area F, Brqy. San Pedro, CSJDM, Bulacan

## WORK EXPERIENCE

2022 - Present

Mathematics Instructor

BESTLINK COLLEGE OF THE PHILIPPINES

2018 - 2022

Junior and Senior High School Teacher

JARMMETH COLLEGE, Inc.

2017 - 2018

Elementary Teacher

BUDDING FLOWER LEARNING CENTER INC.

## TRAININGS AND SEMINAR

- ✓ TEACHING AND ASSESSING THE K-12 STANDARDS ACROSS THE DIFFERENT LEARNING MODALITIES
- ✓ FACILITATING LEARNING IN A SHS FLEXIBLE CLASS
- ✓ JOURNEY TOWARDS RECERTIFICATION: CHALLENGES AND OPPORTUNITIES
- ✓ ALGEBRA CUM CALCULUS
- ✓ SIMPLIFIED MATHEMATICS
- ✓ SPECIAL TOPICS IN GEOMETRY
- ✓ COVID KA LNG TEACHER KAMI "TEACHERS TALKING ABOUT THE TRANSITIONS AND TRANSFORMATION OF PHILIPPINE CLASSROOM POST-COVID 19"
- ✓ TEACHER'S ROLE IN 21<sup>ST</sup> CENTURY
- ✓ DRIVING EQUITY AND QUALITY IN EDUCATION WITH TECHNOLOGY
- ✓ INTERACTIVE TECHNIQUES AND TEACHING TOOLS FOR EDUCATION
- ✓ COPING WITH CHALLENGES OF THE NEW NORMAL IN EDUCATION
- ✓ TRAINING WORKSHOP ON CONSTRUCTING OBJECTIVE ONLINE EXAM QUESTIONS: THE ART OF EFFECTIVE EVALUATION
- ✓ TRAINING WORKSHOP ON PREPARATION AND IMPROVEMENT OF DISTANCE LEARNING FOR STUDENTS THROUGH FREE WEB-BASED TOOLS
- ✓ TRAINING WORKSHOP ON THE PREPARATION AND DELIVERY OF LESSON EXEMPLARS USING LEARNING MANAGEMENT SYSTEM (LMS)
- ✓ CONDUCTING ASSESSMENT ON ONLINE DISTANCE LEARNING

## PERSONAL BACKGROUND

**Date of Birth:** July 29, 1997  
**Place of Birth:** Bulacan  
**Age:** 26 yrs old.  
**Sex:** Female  
**Civil Status:** Single  
**Religion:** Roman Catholic  
**Nationality:** Filipino

## EDUCATION

## • GRADUATE SCHOOL

**La Consolacion University  
Philippines**

2023 – Present

*Master of Arts in Education Major in  
Mathematics (9 units)*

## • TERTIARY EDUCATION:

**Eulogio "Amang" Rodriguez  
Institute of Science and  
Technology**

2013 – 2017

*Bachelor of Secondary Education major  
in Mathematics  
Nagtahan, Sampaloc, Manila*

## • SECONDARY EDUCATION:

**Paulette College Inc.**

2009 – 2013

*Teacher's Village, San Rafael H, City of  
San Jose Del Monte Bulacan*

## • ELEMENTARY EDUCATION:

**Bagong Buhay F Elementary School**

2003 – 2009

*Barangay San Pedro, Area F*



## APPENDIX I

## RESEARCHER'S CURRICULUM VITAE

 <p>  0929-670-5697   Caljohnalen@gmail.com   Blk8 Lot27 Coopville Subdivision Bagumbong Caloocan City.         </p> <p><b>SKILLS</b></p> <ul style="list-style-type: none"> <li>• Flexible and Adaptive at any work.</li> <li>• Good Communication in ( Verbal and Written ).</li> <li>• Active listener and Fast learner.</li> <li>• Creative Problem Solving</li> <li>• Time management</li> <li>• Computer literate</li> </ul> <p><b>PERSONAL DATA</b></p> <p> <b>Date of Birth:</b> April 24, 2002  <b>Religion:</b> Roman Catholic  <b>Place of Birth:</b> Quizon City  <b>Height and Weight:</b> 5'5 / 47kg  <b>Nationality:</b> Filipino  <b>Civil Status:</b> Single         </p>	<h2>JOHN ALEN CANAPIT CAL</h2> <p><b>OBJECTIVE</b></p> <p>I'm eager to join a collaborative environment where I can apply my skills and knowledge. I believe in equal opportunities for career growth based on individual skills and performance.</p> <p><b>EDUCATION</b></p> <table border="0"> <tr> <td>2021</td> <td><b>College (Undergraduate)</b></td> </tr> <tr> <td>-</td> <td>Bestlink College of the Philippines - Bachelors of Science in Tourism and Hospitality Management.</td> </tr> <tr> <td>2023</td> <td></td> </tr> <tr> <td>2019</td> <td><b>Senior Highschool</b></td> </tr> <tr> <td>-</td> <td>Electron College of Technical Education - Technical Vocational Livelihood (TVL) Major in Food and Beverages Services.</td> </tr> <tr> <td>2021</td> <td></td> </tr> <tr> <td>2015</td> <td><b>Junior Highschool</b> Bagumbong High School.</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>2019</td> <td></td> </tr> </table> <p><b>ACCOMPLISHMENTS</b></p> <ul style="list-style-type: none"> <li>• Junior Highschool Achiever ( 2016 to 2019 )</li> <li>• 4th Place in Poster Making ( 2017 )</li> <li>• Senior High Achiever ( 2019-2020 )</li> </ul> <p><b>SEMINARS ATTENDED</b></p> <ul style="list-style-type: none"> <li>• Explore Region 1: Tourism and Hospitality Industry (December 19-21, 2022) at Grand Octagon Resort and Hotel, Losog city Ilocos Norte.</li> <li>• Exploring and Discovering Siolandia (June 07-11, 2023) at Ninong's Hotel, Legaspi city Albay.</li> <li>• "Gen 5.0 Travel Preferences Adapting to Changing Tourism Landscapes" (November 22, 2023) at Baguio City.</li> </ul> <p><b>REFERENCES</b></p> <p> <b>ERICA ALAPAD</b> - Service Crew at McDonald's          +63 906-567-7630  <b>FATIMA JENINE SABAREZ</b> - CSR at TELUS International Philippines +63 938-667-4424  <b>CLARIS CABUNLAS</b> - CSR at Teletech          +63 998-434-2289       </p>	2021	<b>College (Undergraduate)</b>	-	Bestlink College of the Philippines - Bachelors of Science in Tourism and Hospitality Management.	2023		2019	<b>Senior Highschool</b>	-	Electron College of Technical Education - Technical Vocational Livelihood (TVL) Major in Food and Beverages Services.	2021		2015	<b>Junior Highschool</b> Bagumbong High School.	-		2019	
2021	<b>College (Undergraduate)</b>																		
-	Bestlink College of the Philippines - Bachelors of Science in Tourism and Hospitality Management.																		
2023																			
2019	<b>Senior Highschool</b>																		
-	Electron College of Technical Education - Technical Vocational Livelihood (TVL) Major in Food and Beverages Services.																		
2021																			
2015	<b>Junior Highschool</b> Bagumbong High School.																		
-																			
2019																			

# ERICA A. ALAPAD



📍 29 Catbalogan St.  
☎ 09065677630  
✉ ecangalapad11@gmail.com

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## CAREER OVERVIEW

To be part of company that indulges professional growth which provides challenging and rewarding career while allowing to utilize my knowledge and skills.

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### EDUCATION

Bachelor of Science in  
Tourism Management  
Bestlink College of the Phj 2022

### SKILLS

- Basic computer literacy skills
- Organizational skills
- Strategic planning and scheduling skills
- Time-management skills
- Verbal and written communication skills
- Customer Service Skills

### REFERENCE

Jennylin Apondar  
Cousin  
jennylinalapad@gmail.com  
09106606272

### EXPERIENCE

#### Service Crew

Mcdonalds - present

- Help colleagues and set up the office in a way that streamlines processes
- Sort and distribute correspondence as soon as possible
- Ensure information is accurate and valid by creating and updating records.
- Proven track record of delivering exceptional customer service.
- Ensuring a positive dining experience.
- Skilled in taking orders, accurately processing payments and maintaining a clean and organized workspace with the ability to work in a team.




## Siena Mae Joy R. Mora

### SKILLS

Communication Skills  
Customer service Skills  
Guest service Skills  
Teamwork Skills  
Time Management  
Documentation  
Encoding

### ADDRESS

 Blk 517 Lt13 Anthurium St.,  
Ph5A Heritage Homes, Loma De  
Gato, Marilao, Bulacan, 3019,  
Philippines



### PHONE

09463611678



### EMAIL

sienamaejoyrmora@gmail.com



### LANGUAGE

Filipino (Native or Bilingual  
Proficiency)  
English ( Professional  
Proficiency)

### REFERENCE

**Vivian Joy R. Badato**

09274509601

**Mary Ann Lucero**

09199841226

**Shiela May Napagal**

09983450214

**Danica De Ocera**

09971689649

### EXPERIENCE

August 2018 - September 2018

Assistant Librarian

City of Meycauayan Library and Mini Heritage Museum

October 2021 - January 2022

Sales Admin Beauty Bliss PH

September 2022- Present

Barista at Starbucks

### EDUCATION HIGHLIGHTS

**Bestlink College of the Philippines, Quezon City,  
Philippines**

- Accountancy, Business and Management, Senior High School (June 2017 - April 2019)

**Bestlink College of the Philippines, Quezon City,  
Philippines**

- Bachelor of Science in Tourism Management (June 2019 - June 2021 )

### CERTIFICATES

- 1st SIMP-AAG-BCP- Multidisciplinary Research Festival
- Certificate of Completion for Work Immersion
- Certificate of Completion in Sales 101 by FWD Insurance
- Certificate of Completion in Project Management 101 by Cloudstaff
- Certificate of Completion in Communication 101 by [24]7.ai

# NIKKA L. CODAL



☎ +639076893579

✉ nikkacodal8@gmail.com

📍 6111 B-Lower Tibagan Gen T. De  
Leon Valenzuela City

## PERSONAL INFORMATION

- Name: Nikka L. Codal
- Birthday: October 27, 2002
- Marital Status: Single
- Nationality: Filipino

## EDUCATION

### ELEMENTARY

Elementary- Silvestre Laxaro  
Elementary School  
2009-2015

### JUNIOR HIGH SCHOOL

Junior High School- Sitero Francisco  
Memorial National High School  
2015-2019

### SENIOR HIGH SCHOOL

Senior High School- St. Bernadette  
College of Valenzuela  
2019-2021

### COLLEGE

Bestlink College of the Philippines  
2021-Present

## OBJECTIVE

I seek a position that will allow me to fully utilize my capabilities while simultaneously playing a significant role in advancing the objectives of the organization. My aim is to engage in an environment that fosters both personal and professional development, enabling me to leverage my skills for the benefit of the company.

## EXPERIENCE

### REPACKER

GOWAZ SHOP

April 2021-September 2022

## SKILLS

- Teamwork
- Communication
- Time management
- Trustworthiness

## JOHN BERNARD S. SILVA

76 Garcia compound bagbaguin Valenzuela city  
 Contact No.: 09705665096  
 Email: [bernardseiga21@gmailo.com](mailto:bernardseiga21@gmailo.com)



### OBJECTIVES:

I'm disciplined and hardworking and will go above and beyond the scope of the position.

### SKILLS & QUALIFICATIONS:

- Professionalism, Teamwork and collaboration.
- Discipline, responsible, willing to learn, sociable, hard working, long patience and fast-learner.

### PERSONAL DATA:

**Date of Birth:** February 28 2002  
**Citizenship:** Filipino  
**Sex:** male  
**Civil Status:** Single  
**Height:** 5'10  
**Weight:** 72 kls.

### EDUCATIONAL ATTAINMENT:

<b>College</b>	Bestlink College of the Philippines	2022-
Present		
<b>Senior High School</b>	Children of Mary Immaculate College Malinta , Valenzuela city	2019- 2020
<b>Junior High School</b>	Canumay East National High School Canumay Valenzuela city	2014- 2019
<b>Elementary</b>	<u>Cagnocot</u> Elementary School <u>Villaba</u> Leyte	2009- 2014

### CHARACTER REFERENCES:

- Mr. John Kenneth Lasquite  
Production crew

09597524945