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RESEARCH ARTICLE

NATURAL DISASTER PREPAREDNESS OF MACALAYA NATIONAL HIGH SCHOOL, CASTILLA, SORSOGONAN ASSESSMENT

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Abstract

This research aimed to determine the preparedness of the students of Macalaya National High School in Castilla, Sorsogon to natural disasters for the school year 2019-2020. The descriptive research was used in the study using the one hundred eighty students of Macalaya National High School as the respondents. A self-made questionnaire and rubrics to describe the level of preparedness. Mean and standard deviation and Pearson r correlation using an alpha level of .05 were used as the statistical tools. The study revealed the following findings. The students of Macalaya National High School preparedness to natural disaster like typhoon has an overall mean of 4.62 and has a standard deviation of 0.626 with a variance of 0.3924 was rated as Very Great Extent. Landslide has an overall mean of 4.63 and has a standard deviation of 0.617 with a variance of 0.3813 was rated as Very Great Extent. Storm surge has an overall mean of 4.61 and has a standard deviation of 0.632 with a variance of 0.3992 was rated as Very Great Extent. Earthquake has an overall mean of 4.62 and has a standard deviation of 0.630 with a variance of 0.3976 was rated as Very Great Extent. The findings show that there is a "significant correlation between the level of natural disaster and disaster preparedness of the students of Macalaya National High School" at 0.05 level of significance. It shows that the null hypothesis stating that "There is no significant correlation between the level of natural disaster and disaster preparedness of the students of Macalaya National High School" is rejected. Thus, the alternative hypothesis is accepted. It inferred that there is a "significant" correlation between them. It was recommended that the School Disaster Risk Reduction Management Council must sustain the preparedness of the school. Constant reminders and promotions about preparedness against natural disaster is a must. Also, training and seminars must be included in the inset of the teachers with the special participation of the student's governing council.

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Introduction:-

Natural Disaster remains one of the main challenges faced by the developing country. It causes high mortality and suffering in addition to damages of local infrastructures and loss of properties. Natural calamities like Typhoons, landslides, storm surges, and earthquakes are the common and yet most destructive forces of nature.

Disasters are bound to happen; Typhoons and storms are very common and almost part of our lives especially in the coastal community. So, it is expected that everyone must have proper knowledge of what to do in case of natural calamities.

Disaster preparedness is the process of ensuring that an organization has complied with the preventive measures, and is in a state of readiness to contain the effects of a forecast disastrous event to minimize loss of life, injuries, and damage to properties. (PAHO, 2012).

The National Disaster Risk Reduction Management Council or the NDRRMC is the Government agency responsible for damage assessment and consolidated reports on government action. Furthermore, The NDRRMC was established to pursue disaster prevention and risk reduction. It reports updates on the effects and preparedness measures of disaster situations such as typhoons, earthquakes, and other calamities. (Philippine Official Gazette, 2013).

In addition, The Department of Social Welfare and Development or DSWD is the agency responsible for the distribution of social services to the Filipino people. One of the methods used by the government to impart the concept of the NDRRMC plan is to integrate it in school. In the Effectiveness of DepEd order No. 55 s. 2008, the Disaster Risk reduction Resource Manual was formed to be used on concepts related to Disaster Risk Reduction Management in public schools.

Lastly, According to The Annie E. Cassey Foundation, “No one is immune to the effects of a disaster and it is important we take steps to prepare.”

Methodology:-

Research Design

This study analyzed the preparedness of the students of Macalaya National High School to natural calamities using the descriptive research design. Finding the weighted mean was implemented by determining the preparedness of the students of Macalaya National High School to natural calamities.

According to Enriquez (2005), descriptive research is characterized as a survey or normative approach to the study of condition, which is an essential guide to one’s thinking. It is used to describe the characteristics of a population or phenomenon being studied.

Research Locale

The study was conducted in Macalaya National High School, in the Municipality of Castilla, Province of Sorsogon, Philippines.

Instrumentation

The researcher finds the weighted mean to determine the preparedness of the respondents to natural calamities. The questionnaire consisted of one hundred (100) questions divided into four categories that measure the following natural calamities: typhoon, storm surge, landslides, and earthquakes.

Results and Discussions:-

This chapter presents the findings of the study and their corresponding analysis together with the interpretation of the statistical treatment of data and interpretation of the results.

Presentation, Analysis and Interpretation of Data

Table 1 shows the overall mean of 4.62 and has a standard deviation of 0.626 with a variance of 0.3924 indicating how the data scores are homogenous to each other. The skewness of 1.3934 and kurtosis of 0.7620 shows that the level of Natural Disaster in terms of Typhoon has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 1:- Level of Natural Disaster in terms of Typhoon.

Statements	Mean	SD	Verbal Interpretation
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Monitor the news for weather updates, warnings and advisory	4.59	0.65	Strongly Agree
Check the integrity of your house and repair weak parts.	4.62	0.62	Strongly Agree
Prepare your family's GO BAG containing items needed for survival.	4.63	0.60	Strongly Agree
Stay calm, indoors and tuned in to the latest news and weather updates.	4.61	0.64	Strongly Agree
Turned off the main electrical switch and water valve	4.59	0.67	Strongly Agree
Using flashlights or emergency lamps. Cautious in using candles and gas lamps.	4.65	0.58	Strongly Agree
Stay away from a glass window	4.56	0.67	Strongly Agree
Wait for the authorities to declare that it is safe to return home.	4.61	0.65	Strongly Agree
Stay away from falling trees, damaged structures and power lines.	4.53	0.62	Strongly Agree
Check for wet and submerge electrical outlets and appliances before turning on the electricity.	4.66	0.58	Strongly Agree
Weighted Mean=4.62			
SD=0.626			
Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 2 shows the overall mean of 4.63 and has a standard deviation of 0.617 with a variance of 0.3813 indicating how the data scores are homogenous to each other. The skewness of -1.4195 and kurtosis of 0.8626 shows that the level of Natural Disaster in terms of Landslide has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 2:- Level of Natural Disaster in terms of Landslide.

Statements	Mean	SD	Verbal Interpretation
Know the landslide-prone areas and learn early signs of impending landslides.	4.57	0.67	Strongly Agree
Prepare your family's GO BAG containing items needed for survival.	4.62	0.62	Strongly Agree
Know the location of the evacuation site and the fastest and safest way to go there	4.64	0.59	Strongly Agree
When notified, immediately evacuate to safer ground.	4.62	0.64	Strongly Agree
When inside a house or building and evacuation is not possible, stay inside and get under the table.	4.66	0.60	Strongly Agree
When driving, do not cross bridges and damaged roads	4.69	0.54	Strongly Agree
Avoid landslide affected areas	4.56	0.67	Strongly Agree
Watch out for possible flash floods due to clogging of creeks or river	4.61	0.65	Strongly Agree
Know if your area has a potential threat of storm surge	4.63	0.62	Strongly Agree
When notified, immediately evacuate to higher safer ground.	4.66	0.58	Strongly Agree
Weighted Mean=4.63			
SD=0.617			
Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 3 shows the overall mean of 4.61 and has a standard deviation of 0.632 with a variance of 0.3992 indicating how the data scores are homogenous to each other. The skewness of -1.3526 and kurtosis of 0.6427 shows that the level of Natural Disaster in terms of Storm surge has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 3:- Level of Natural Disaster in terms of Storm surge.

Statements	Mean	SD	Verbal Interpretation
Move away from the seashore	4.59	0.65	Strongly Agree
Stay indoor and stay tuned for the latest news and weather updates.	4.61	0.64	Strongly Agree
Do not touch electrical equipment if you are wet or standing in floodwater.	4.61	0.61	Strongly Agree
Seek first aid if you or someone was injured	4.59	0.66	Strongly Agree
Bring the injured person to the nearest hospital	4.57	0.69	Strongly Agree
Leave the evacuation area only when the authorities say it is safe,	4.63	0.60	Strongly Agree
Check your house for possible damages and repair as necessary.	4.54	0.68	Strongly Agree
Make sure that the food and water for drinking are not contaminated by floodwater.	4.61	0.63	Strongly Agree
Do not touch electrical equipment if you are wet or standing in floodwater	4.63	0.61	Strongly Agree
Check for a missing person and report to the authority	4.67	0.56	Strongly Agree
Weighted Mean=4.61			
SD=0.632			
Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 4 shows the overall mean of 4.62 and has a standard deviation of 0.630 with a variance of 0.3976 indicating how the data scores are homogenous to each other. The skewness of -1.3405 and kurtosis of 0.7778 shows that the level of Natural Disaster in terms of Earthquake has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 4:- Level of Natural Disaster in terms of Earthquake.

Statements	Mean	SD	Interpretation
Know the earthquake hazard in your area	4.59	0.66	Strongly Agree
Follow the structural design and engineering practices when constructing a building	4.63	0.62	Strongly Agree
Familiarize yourself with the exit routines	4.63	0.60	Strongly Agree
Stay away from the windows and lamps	4.60	0.65	Strongly Agree
Do a duck, cover and hold	4.59	0.67	Strongly Agree
Stay calm and do not panic	4.65	0.59	Strongly Agree
Stay away from the building wall and power supply	4.58	0.66	Strongly Agree
Move away from the steep slopes which may be affected by landslide	4.60	0.66	Strongly Agree
Be prepared for the aftershocks, once the shaking stops, take the fastest and safest way out of the building	4.64	0.61	Strongly Agree
Keep updated on disaster prevention instruction from a transistor radio	4.66	0.59	Strongly Agree
Weighted Mean=4.62			
SD=0.630			

Verbal Interpretation =Very Great Extent**Legend**

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 5 shows the overall mean of 4.61 and has a standard deviation of 0.626 with a variance of 0.3870 indicating how the data scores are homogenous to each other. The skewness of -1.3578 and kurtosis of 0.6964 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of Typhoon as to response has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 5:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of typhoon as to response.

Statements	Mean	SD	Verbal Interpretation
Monitor through radio or other reliable sources the latest official report of PAGASA	4.67	0.55	Strongly Agree
Gather the students in the most stable strong and safe school building when it is no longer safe for them to go home	4.54	0.67	Strongly Agree
Advise the students to stay indoor	4.60	0.65	Strongly Agree
Coordinate with the proper school officials on possible immediate evacuation measures	4.61	0.63	Strongly Agree
Ensure that students will remain calm by keeping them informed of the latest development.	4.63	0.61	Strongly Agree
Weighted Mean=4.62			
SD=0.630			
Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 6 shows the overall mean of 4.62 and has a standard deviation of 0.627 with a variance of 0.3869 indicating how the data scores are homogenous to each other. The skewness of -1.4117 and kurtosis of 0.8286 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of recovery/rehabilitation as to response has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 6:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of typhoon as to recovery/rehabilitation.

Statements	Mean	SD	Verbal Interpretation
Attend to victims immediately	4.57	0.67	Strongly Agree
Check the classroom for damages and losses	4.62	0.62	Strongly Agree
Coordinate with the Brgy. LGU's for assistance	4.64	0.59	Strongly Agree
Prepare the necessary documents to effect replacement of damaged buildings and other school properties	4.62	0.64	Strongly Agree
Continue to listen to the radio or local television and return home only when the authorities indicate it is safe to do so	4.66	0.60	Strongly Agree
Weighted Mean=4.62			

SD=0.627**Verbal Interpretation =Very Great Extent****Legend**

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 7 shows the overall mean of 4.60 and has a standard deviation of 0.636 with a variance of 0.3973 indicating how the data scores are homogenous to each other. The skewness of -1.3463 and kurtosis of 0.6370 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of mitigation as to response has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 7:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of typhoon as to mitigation.

Statements	Mean	SD	Verbal Interpretation
Establish and maintain coordination with the Brgy disaster coordinating council	4.64	0.58	Strongly Agree
Ensure that the school building can withstand heavy rains and strong winds	4.57	0.67	Strongly Agree
Switch off electricity and lock the rooms after the students have gone out	4.57	0.67	Strongly Agree
Have a handy survival kit	4.61	0.62	Strongly Agree
Participate actively in the school disaster response drill	4.63	0.61	Strongly Agree
Weighted Mean=4.60			
SD=0.636			
Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 8 shows the overall mean of 4.65 and has a standard deviation of 0.576 with a variance of 0.3224 indicating how the data scores are homogenous to each other. The skewness of -1.4072 and kurtosis of 0.9931 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of storm surge as to response has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 8:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of storm surge as to response.

Statements	Mean	SD	Verbal Interpretation
Direct the students to move higher grounds upon detection of the sign of probable storm surge	4.62	0.61	Strongly Agree
Advise the students to be alert and stay away from steep, high coastal areas which are prone to landslide	4.66	0.56	Strongly Agree
Switch off the power supply	4.65	0.55	Strongly Agree
Advise the students to stay inland side away from the potential flow of water	4.66	0.58	Strongly Agree
If caught in the storm surge, advise the students to take hold of large	4.68	0.53	Strongly Agree

boulders which can protect them from the force of water.			
Weighted Mean=4.65			
SD=0.576			
Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 9 shows the overall mean of 4.60 and has a standard deviation of 0.644 with a variance of 0.4069 indicating how the data scores are homogenous to each other. The skewness of -1.3493 and kurtosis of 0.6137 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of storm surge as to recovery/rehabilitation has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 9:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of storm surge as to recovery/rehabilitation.

Statements	Mean	SD	Verbal Interpretation
Clean all mud and debris immediately	4.56	0.68	Strongly Agree
Advise the students not to eat fresh food that came in contact with floodwaters	4.58	0.65	Strongly Agree
Check the structural damage of the classroom to ensure that there is no danger of structure collapse	4.62	0.60	Strongly Agree
Drinking water should be submitted to proper authorities for testing	4.61	0.65	Strongly Agree
Check classroom for electrical damage and open wires	4.64	0.61	Strongly Agree
Weighted Mean=4.60			
SD=0.644			
Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 10 shows the overall mean of 4.61 and has a standard deviation of 0.636 with a variance of 0.3991 indicating how the data scores are homogenous to each other. The skewness of -1.3616 and kurtosis of 0.6675 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of storm surge as to mitigation has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 10:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of storm surge as to mitigation.

Statements	Mean	SD	Verbal Interpretation
Know the storm surge risk zone and recommended for relocation of the school	4.59	0.65	Strongly Agree
Obstruction of seawalls and storm surge breakers to protect the buildings from storm surge strikes	4.59	0.64	Strongly Agree
Warn students to stay off the beach when weather disturbance exists	4.62	0.61	Strongly Agree
Ensure that everyone is familiar with identified escape routes of the	4.60	0.65	Strongly Agree

school			
Established evacuation plans and procedure	4.63	0.62	Strongly Agree
Weighted Mean=4.61			
SD=0.636			
Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 11 shows the overall mean of 4.61 and has a standard deviation of 0.636 with a variance of 0.3991 indicating how the data scores are homogenous to each other. The skewness of -1.3616 and kurtosis of 0.6675 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of landslide as to response has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 11:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of landslide as to response.

Statements	Mean	SD	Verbal Interpretation
Keep The student calm and update the situation and safety reminders on what to do in case of evacuation	4.59	0.65	Strongly Agree
Advise students to avoid areas prone to flash flooding and be cautious of water covered roads, bridges and creeks	4.59	0.64	Strongly Agree
Evacuate the school community immediately if warned of an impending landslide	4.62	0.61	Strongly Agree
Advise the students to stay away from the path of landslide debris	4.60	0.65	Strongly Agree
Get out of the school building as soon as possible when rumbling sounds are heard from upstream	4.63	0.62	Strongly Agree
Weighted Mean=4.61			
SD=0.636			
Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 12 shows the overall mean of 4.61 and has a standard deviation of 0.633 with a variance of 0.3959 indicating how the data scores are homogenous to each other. The skewness of -1.3780 and kurtosis of 0.7169 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of landslide as to recovery/rehabilitation has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 12:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of landslide as to recovery/rehabilitation.

Statements	Mean	SD	Verbal Interpretation
Avoid affecting areas	4.59	0.64	Strongly Agree
Stay away from the landslide-prone area	4.63	0.60	Strongly Agree
Report broken utility lines immediately to the proper authorities	4.64	0.60	Strongly Agree

Ensure that electrical appliances are checked by a competent electrician	4.64	0.61	Strongly Agree
Continue to listen to radio or television and return home only when the authorities indicate it is safe to do so	4.64	0.60	Strongly Agree
Weighted Mean=4.61 SD=0.633 Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 13.shows the overall mean of 4.63 and has a standard deviation of 0.609 with a variance of 0.3694 indicating how the data scores are homogenous to each other. The skewness of -1.4120 and kurtosis of 0.8847 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of landslide as to mitigation has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 13:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of landslide as to mitigation.

Statements	Mean	SD	Verbal Interpretation
Know the flood warning system in the school	4.59	0.64	Strongly Agree
Prepare the students for evacuation upon the direction of the proper school authority	4.63	0.60	Strongly Agree
Switch off the electricity and lock the door after the students have gone out	4.64	0.60	Strongly Agree
Have a handy survival kit	4.64	0.61	Strongly Agree
Plan grasses to cover slopes to prevent soil erosion	4.64	0.60	Strongly Agree
Weighted Mean=4.63 SD=0.609 Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 14.shows the overall mean of 4.64 and has a standard deviation of 0.576 with a variance of 0.3324 indicating how the data scores are homogenous to each other. The skewness of -1.3755 and kurtosis of 0.8818 shows that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of earthquake as to response has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 14:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of earthquake as to response.

Statements	Mean	SD	Verbal Interpretation
Direct the students to stay inside a structurally sound building	4.63	0.58	Strongly Agree
Advise the students to protect their body from falling debris by bracing themselves in the doorway	4.63	0.58	Strongly Agree
Stay away from powerlines, post walls and other structures that may	4.66	0.55	Strongly Agree

fall			
Direct the students to move to an open area when they are outside the building	4.63	0.60	Strongly Agree
Do not attempt to cross bridges that may have been damaged.	4.66	0.58	Strongly Agree
Weighted Mean=4.64 SD=0.576 Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 15.shows the overall mean of 4.67 and has a standard deviation of 0.542 with a variance of 0.2918 indicating how the data scores are homogenous to each other. The skewness of -1.3446 and kurtosis of 0.8476 show that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of earthquake as to recovery/rehabilitation. has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 15:- Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of earthquake as to recovery/rehabilitation.

Statements	Mean	SD	Verbal Interpretation
Avoid affected areas	4.65	0.55	Strongly Agree
Get out calmly and in an orderly manner	4.68	0.51	Strongly Agree
Report broken utility lines immediately to the proper authority	4.65	0.54	Strongly Agree
Check the surrounding of the school	4.67	0.56	Strongly Agree
Continue to listen to the radio and local television and return home when it is safe.	4.68	0.54	Strongly Agree
Weighted Mean=4.67 SD=0.542 Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 16.shows the overall mean of 4.65 and has a standard deviation of 0.576 with a variance of 0.3224 indicating how the data scores are homogenous to each other. The skewness of -1.4072 and kurtosis of 0.9931 show that the Assessment Level of Disaster Preparedness of the students of Macalaya NHS in terms of earthquake as to mitigation. has a highly symmetrical distribution with concentrated scores lies with 4-5 with a very great extent.

Table 16:-Assessment Level of Disaster Preparedness of the Students of Macalaya NHS in terms of earthquake as to mitigation.

Statements	Mean	SD	Verbal Interpretation
Avoid affected areas	4.62	0.61	Strongly Agree
Get out calmly and in an orderly manner	4.66	0.56	Strongly Agree
Report broken utility lines immediately to the proper authority	4.65	0.55	Strongly Agree
Check the surrounding of the school	4.66	0.58	Strongly Agree

Continue to listen to the radio and local television and return home when it is safe.	4.68	0.53	Strongly Agree
Weighted Mean=4.65 SD=0.576 Verbal Interpretation =Very Great Extent			

Legend

Scale	Range	Description	Interpretation
5	4.20-5.00	Strongly Agree	Very Great Extent
4	3.40-4.19	Agree	Great Extent
3	2.60-3.39	Moderately Agree	Moderately Extent
2	1.80-2.59	Disagree	Low Extent
1	1.00-1.79	Strongly Disagree	Very Low Extent

Table 17:- Correlation between the level of Natural Disaster and Disaster Preparedness of the students of Macalaya NHS.

Natural Disaster	Assessment	Correlation	95% CI		P-value	Degrees of Correlation
			lower	higher		
Typhoon	Response	0.097	-0.361	0.518	0.0683	very low correlation
	Recovery					
	Mitigation					
Landslide	Response	-0.385	-0.707	0.069	0.0093	slight correlation
	Recovery					
	Mitigation					
Storm surge	Response	-0.190	-0.584	0.276	0.0422	very low correlation
	Recovery					
	Mitigation					
Earthquake	Response	-0.161	-0.563	0.303	0.0499	very low correlation
	Recovery					
	Mitigation					

Scale	Interpretation
±0.00	No correlation, no relationship
±0.01 - ±0.20	Very low correlation,
±0.21 - ±0.40	Slight correlation,
±0.41 - ±0.70	Moderate correlation,
±0.71 - ±0.90	High correlation,
±0.91 - ±0.99	Very High correlation, very dependable relationship
±1	Perfect correlation, perfect relationship

Based on the data, it is shown that there is a “significant correlation between the level of natural disaster and disaster preparedness of the students of Macalaya NHS” at 0.05 level of significance. It shows that the null hypothesis stating that “there is no significant correlation between the level of natural disaster and disaster preparedness of the students of Macalaya NHS” is rejected. Thus, the alternative hypothesis is accepted, it can infer that there is a “significant” correlation between them.

Conclusion:-

The level of assessment against natural disasters of the students of Macalaya NHS in terms of preparedness, response, recovery and mitigation is strongly necessary. Therefore, the hypothesis is not sustained.

Recommendations:-

In view of the findings and conclusion, the following recommendations were given:

1. The School Disaster Risk Reduction Management Council must sustain the preparedness of the school.
2. Constant reminders and promotions about preparedness against natural disaster is a must.
3. Seminars and training among teachers and students should be given.
4. Future researchers may conduct a study focusing on the level of preparedness on large scale such as Municipality or Province.

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