## ESTABLISHMENT OF FEATURE CLASS AND SCORING

The researchers of this study have established a feature class for each parameter and feature weights based on experts' opinions and related literature. The feature class for the building attributes parameters, including the number and presence of obstructions, were localized based on the results of the fourth questionnaire sent to experts. Since the data is nominal data, the median value was used as the final weight per class. The feature class for the location attribute was determined based on related literature. All parameters were categorized and reclassified into five. Each category corresponds to a feature weight or rating. The highest rating of five (5) indicates very high vulnerability, while the lowest value means very low vulnerability against cyclonic winds. Table 4.3 below shows the feature class and its corresponding feature weight per parameter.

BUILDING ATTRIBUTES				
Parameter	Class Score			
	Concrete			
<b>Structural Framing</b>	Steel	1		
Material	Combination of Concrete and Steel			
(Based on Experts)	-	2		
	Combination of Wood and Steel	3		

Tał	ble 1	l.F	eature	Class	and	Feature	W	'eigl	nt
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	Combination of Wood and Concrete		
	Combination of Concrete and Bamboo		
	Combination of Steel and Bamboo		
	wood Combination of Wood and Domboo	4	
	Combination of wood and Bamboo		
	Bamboo	5	
	Parapet	1	
	Hip	2	
	Gable		
	Flat	2	
Roof Type	Clerestory	3	
(Based on Experts)	Saltbox		
	Shed	4	
		_	
	-	5	
	Concrete	1	
	Circular GI Sheet		
	Trapezoidal GI Sheet		
	Onduline		
	Combination of Circular GI Sheet and	2	
	Trapezoidal GI Sheet		
D C.M. A	Combination of Circular GI Sheet and		
Roof Material	Onduline		
(Basea on Experts)	Combination of Trapezoidal GI Sheet	3	
	and Onduline		
	Combination of Trapezoidal GI Sheet		
	and Plastic		
	Plastic (Polycarbonate, Tarpaulin)	4	
	Combination of Circular GI Sheet and		
	Plastic		

	Combination of Circular GI Sheet and	
	Nipa	
	Combination of Trapezoidal GI Sheet	
	and Nipa	
	Combination of Onduline and Plastic	
	Combination of Onduline and Nipa	
	Nipa	
	Combination of Plastic and Nipa	5
Ι	OCATION ATTRIBUTES	
Donomotors	Barran Class	
Parameters	reature Class	Score
	0-100	1
	100-200	2
Elevation (m)	200-300	3
Arca & Citiroglu	300-400	4
(2020)	>400	5
Proximity to	>160	1
Coastline	120-160	2
(km)*	80-120	3
MDRRMO LGU	40-80	4
Limasawa	<40	5
<b>D</b>	>8	1
Proximity to	6-8	2
Cyclone Track	4-6	3
( <b>km</b> )	2-4	4
Hoque et.al (2020)	<2	5
Wind Speed (knot)	<82 kt	1

Based on the Saffir-	83-95 kt	2
Simpson Hurricane Wind	96-112 kt	3
Scale	113-136 kt	4
	>137 kt	5
	1-2	1
	3-4	2
Cyclone Frequency	5-6	3
( <b>km</b> )	7-8	4
Ali et. Al (2019)	9-10	5
Topographic	Obstruction in all ordinal directions	1
factor/ Presence	Obstruction in 3 ordinal directions	2
and number of	Obstruction in 2 ordinal directions	3
obstructions within	Obstruction in 1 ordinal direction	4
<b>a 15-meter radius</b> ( <i>Based on Experts</i> )	No obstruction	5