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# DEVELOPING COMMUNITY WELLBEING INDEX (CWBi) IN DISASTER-PRONE AREA OF THE PHILIPPINES

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**ABSTRACT –** There is an urgent need for science based evidences in measuring and monitoring community wellbeing after a disaster. The main objective of this paper was to develop a community wellbeing index (CWBi) following a deductive approach in the selection of indicators. Face to face interviews were conducted using structured questionnaire to 220 households of the 3 cases as affected by volcanic eruption (Albay), earthquake (Bohol) and supertyphoon (Leyte). Qualitative data through key informant interview (KII) were gathered to determine weights of each indicator and dimension based on community capital framework. Indicators were then validated using *Pearson's rho* and subsequently normalized using min-max rescaling scheme. Finally, a CWB ıwas established using the equation as follows:

$CWBi = (B \cdot W_{d1}) + (F \cdot W_{d2}) + (Po \cdot W_{d3}) + (SC \cdot W_{d4}) + (N \cdot W_{d5})$ where B is the built capital; F, the financial capital; Po, political capital; SC, sociocultural capital and N, the natural capital; $W_{d1}$ to $W_{d5}$ are weights of the five dimensions. A table for the interpretation of CWB ıvalues (ranging from 0.00-1.0) was then developed, where a CWB ıof 0.41-0.60 is moderate, above which a CWB ıis either strong or very strong and below which a CWB ıis either weak or very weak.

*Keywords: analytic hierarchical process (AHP), community wellbeing index (CWBi), disaster, key informant interview (KII), survey method*

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