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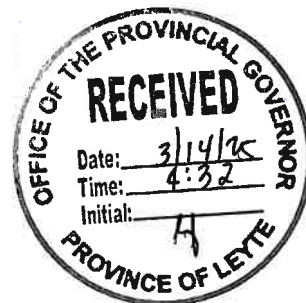
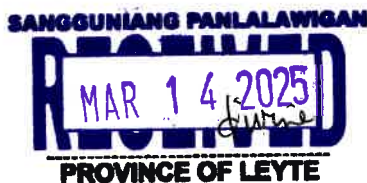
SANGGUNIANG PANLALAWIGAN

13 March 2025

HON. CARLOS JERICHO L. PETILLA
Provincial Governor

HON. LEONARDO M. JAVIER JR.
Vice-Governor

**The Honorable Members of the
Sangguniang Panlalawigan of Leyte**



GENTLEMEN:

It is with pride and enthusiasm that I manifest my intention to write a publishable article entitled "The Panarchy Model of Adaptive Cycle: The Covid 19 Pandemic in the Province of Leyte, Philippines." This research aims to delve into the adaptive cycles experienced by Leyte during the Covid-19 pandemic, particularly focusing on the provincial government's responses using the framework of the Panarchy Model.

The Panarchy Model, developed by Holling and Gunderson in 2002, provides a valuable lens through which to analyze how complex systems respond and adapt to crises. By examining Leyte's governance structure, policies, resolutions, and ordinances through the lens of this model, we aim to uncover valuable insights into the province's pandemic response and draw lessons to enhance future crisis management strategies.

We are particularly interested in exploring questions such as: How did Leyte's governance respond to Covid-19 utilizing the phases of the Panarchy Model? What were the key policies, resolutions, or ordinances that influenced each stage of Leyte's adaptive cycles during the pandemic? What lessons can we extract from Leyte's experience to improve crisis management in the future?

To achieve our research goals, we hope to conduct surveys and interviews with relevant stakeholders in Leyte. I kindly request that the staff and personnel assisting with these activities be welcomed and supported upon their visit to your respective towns. Additionally, we would greatly appreciate the cooperation of the respective committees and secretariat in providing the necessary data and documents for our review.

Your collaboration and support in this endeavor would be invaluable, and we believe that your insights and contributions will greatly enhance the quality and relevance of our research article.

We look forward to the possibility of working together on this important research endeavor and contributing to the body of knowledge on crisis management and adaptive governance.

With many thanks and warm personal regards.

Very truly yours,

ATTY. CARLO P. LORETO



**THE PANARCHY MODEL OF ADAPTIVE CYCLE:
THE COVID-19 PANDEMIC IN THE PROVINCE OF LEYTE,
PHILIPPINES**

(A PUBLISHABLE ARTICLE PROPOSAL)

By:
CARLO P. LORETO
E-mail: baybayano@gmail.com
Cellphone No.: 09173227110

I. Title

The Panarchy Model of Adaptive Cycle: The COVID-19 Pandemic in Leyte Province

II. Introduction

1. Background

- o Introduce the Panarchy Model and its relevance to analyzing resilience in Leyte's provincial systems (healthcare, economy, governance).
- o Brief overview of the COVID-19 pandemic's impact on Leyte.
- o The role of provincial resolutions and local governance in addressing the pandemic.

2. Research Problem

- o The need to assess Leyte's resilience to COVID-19 and the role provincial resolutions played in shaping responses at various stages of the pandemic.
- o How can the Panarchy Model illuminate the province's ability to adapt and reorganize?

3. Research Questions

- o How did Leyte's local governance, through provincial resolutions, respond to COVID-19 using the Panarchy Model's phases?
- o What are the adaptive cycles Leyte went through during the pandemic, and what were the key policies or resolutions that influenced each stage?
- o What lessons can be drawn from Leyte's pandemic response to enhance future crisis management?

4. Research Objectives

- o To apply the Panarchy Model to analyze Leyte's COVID-19 response.
- o To examine the key provincial resolutions that influenced Leyte's resilience and adaptive capacity during the pandemic.
- o To provide recommendations for improving Leyte's resilience to future pandemics.

III. Literature Review

1. Panarchy Model of Adaptive Cycle

- o Define the Panarchy Model and its application to social-ecological systems, focusing on the phases of emergence, conservation, creative destruction, and reorganization.

2. COVID-19 Response in Leyte

- o Overview of Leyte's pandemic response, with a focus on key provincial resolutions.
- o Comparison of Leyte's response to the national policies to highlight the province's unique approach to governance and resilience.

3. Resilience in Local Governance

- o Discuss the role of local governance and social capital in fostering resilience, particularly through policy-making during crises.

IV. Methodology

1. Research Design

- o Qualitative approach focusing on a case study of Leyte's COVID-19 response within the Panarchy framework.

2. Data Collection Methods

- o **Document Analysis:** Collection and review of provincial resolutions, government policies, and reports specific to Leyte (e.g., resolutions from the Provincial Board, health directives from local authorities).
- o **Interviews:** Conduct interviews with local government officials, healthcare professionals, and community leaders in Leyte to understand the impact of these resolutions.

3. Data Analysis

- o Thematic analysis of Leyte's provincial resolutions and interviews, mapped against the Panarchy Model's adaptive cycles.
- o Identification of the key moments in Leyte's COVID-19 response that align with the model's phases.

V. Expected Results

1. Clear identification of the adaptive cycles Leyte went through during the pandemic, with key provincial resolutions influencing each phase.
2. Insights into how local governance and decision-making processes contributed to the resilience or vulnerability of the province during the pandemic.
3. Practical recommendations for Leyte's local government to enhance its resilience to future health crises.

VI. Significance of the Study

1. Theoretical Contribution

- o This study will contribute to the growing body of research on localized resilience and the application of the Panarchy Model in understanding provincial governance.

2. Practical Implications

- o Insights for Leyte's policymakers on improving governance during health crises.
- o Serve as a model for other provinces in the Philippines to enhance their crisis preparedness and response mechanisms.

VIII. References

- Holling, C. S., & Gunderson, L. H. (2002). **Panarchy: Understanding Transformations in Human and Natural Systems.**

- Local government resolutions and documents from the Provincial Board of Leyte.
- Department of Health Philippines (2020-2022). Leyte-specific COVID-19 response reports.

The Panarchy Model of Adaptive Cycle, developed by Holling and Gunderson (2002), describes the dynamic processes of change in complex systems, such as ecosystems, societies, or economies. It consists of four phases that systems undergo in an adaptive cycle, each representing different aspects of growth, conservation, collapse, and reorganization. The model is useful in analyzing how systems can adapt to crises and evolve.

