

Abstract of thesis presented to the Senate of Universiti Malaysia Terengganu in
fulfilment of the requirements for the degree of Master of Science

**THE RELATIONSHIP BETWEEN INFORMATION AND
COMMUNICATION TECHNOLOGY IN BUILDING BLUE SOCIAL
CAPITAL FOR MARITIME COMMUNITY DEVELOPMENT**

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This study explores the pivotal relationship between ICT and blue social capital within maritime communities. The objective of this study is to understand how the integration of ICT influences ICT and the utilization of blue social capital and its profound implications for the development of maritime communities. Methodologically, these research centers on a demographically diverse sample of individuals aged 18 to 60 above in Pahang, Terengganu, and Kelantan, with a statistically robust sample size of 215 participants. A Combination of descriptive statistics and inferential analysis of survey data, the study rigorously examines the correlation between ICT and blue social capital. Next, the independent variables (online social trust, online social networks, online community capabilities, online community resilience, and online civic engagement) show a significant correlation with the dependent variable (community development). However, there is no significant relationship between social trust and social networks leading to community development. Hence, it indicates that maritime communities tend to have reduced trust in individuals on the internet. At the same time, they actively engage online despite trust issues. This dynamic presents research opportunities to explore how online interactions relate to social trust and networking. Understanding these dynamics can

inform strategies to leverage digital spaces for fostering community development and resilience.

Abstrak tesis yang dikemukakan kepada Senat Universiti Malaysia Terengganu
sebagai memenuhi keperluan untuk Ijazah Sarjana Sains

**HUBUNGAN ANTARA TEKNOLOGI MAKLUMAT DAN KOMUNIKASI
DALAM MEMBINA MODAL SOSIAL BIRU UNTUK PEMBANGUNAN
KOMUNITI MARITIM**

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Kajian ini meneroka hubungan penting antara ICT dan modal sosial biru dalam komuniti maritim. Matlamatnya adalah untuk memahami bagaimana integrasi ICT mempengaruhi penggunaan modal sosial biru dan kesannya terhadap pembangunan komuniti maritim. Dari segi metodologi, kajian ini memberi tumpuan kepada sampel yang beragam dari segi demografi, yang terdiri daripada responden berumur 18 hingga 60 tahun di Pahang, Terengganu, dan Kelantan, dengan saiz sampel yang kukuh secara statistik sebanyak 215 orang. Hasil kajian menunjukkan korelasi yang signifikan antara beberapa pembolehubah dengan pembangunan komuniti. Walau bagaimanapun, tiada hubungan yang signifikan antara kepercayaan sosial dan rangkaian sosial dengan pembangunan komuniti. Ini menunjukkan kurangnya kepercayaan dalam talian dalam komuniti maritim. Walaupun demikian, mereka masih aktif terlibat dalam talian, memberi peluang penyelidikan tentang bagaimana interaksi dalam talian berkaitan dengan kepercayaan sosial dan rangkaian. Memahami dinamik ini dapat membantu merancang strategi untuk memanfaatkan ruang digital bagi memajukan pembangunan dan keupayaan komuniti.

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