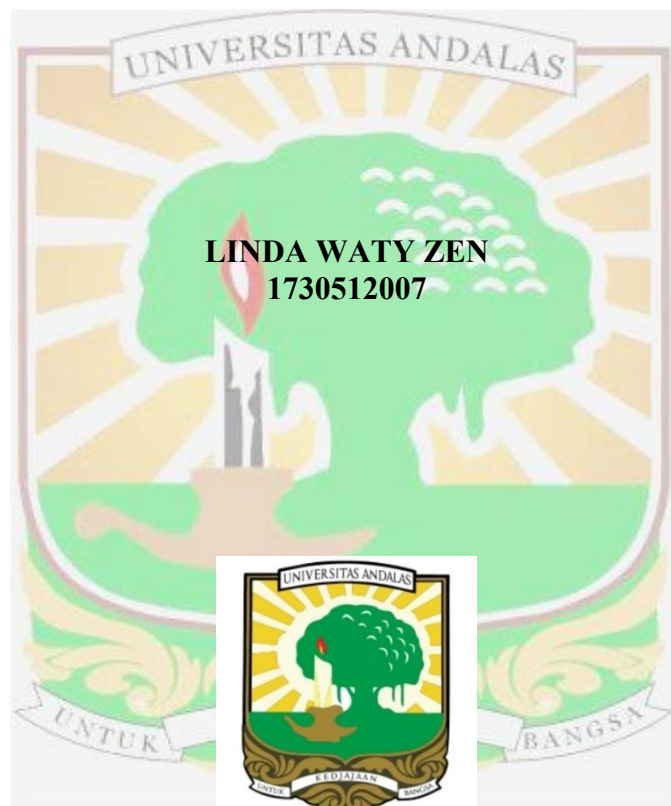


**STRATEGI ADAPTASI EKONOMI NELAYAN TERHADAP
DAMPAK PERUBAHAN IKLIM DI PULAU BINTAN
PROVINSI KEPULAUAN RIAU**

DISERTASI



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STRATEGI ADAPTASI EKONOMI NELAYAN TERHADAP
DAMPAK PERUBAHAN IKLIM DI PULAU BINTAN
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ABSTRAK

Perubahan iklim merupakan isu global yang memiliki dampak signifikan terhadap sektor pembangunan dan ekonomi, serta kehidupan manusia secara keseluruhan. Dampaknya tidak terbatas pada kawasan tertentu, melainkan meluas ke wilayah pesisir dan pulau-pulau kecil, yang sering kali memiliki kerentanan tinggi dan kapasitas adaptasi rendah. Pulau Bintan di Provinsi Kepulauan Riau merupakan salah satu pulau kecil yang menghadapi tantangan akibat perubahan iklim. Penelitian ini menggunakan metode kualitatif dan kuantitatif. Pendekatan kualitatif dilakukan untuk mengidentifikasi keragaman pekerjaan nelayan, baik dalam sektor perikanan maupun di luar perikanan, serta menganalisis perilaku nelayan. Analisis diversifikasi pekerjaan yang dilakukan nelayan dan strategi adaptasi rumahtangga mereka terhadap perubahan iklim dilakukan melalui pendekatan kuantitatif yang menggunakan Model Regresi Binomial Probit. Hasil penelitian menunjukkan bahwa nelayan melakukan diversifikasi mata pencaharian melalui tiga kategori pekerjaan: *On-fishing Employment*, *Off-fishing Employment*, dan *Non-Fishing Employment*. Variabel yang mempengaruhi diversifikasi pekerjaan mencakup pengalaman, stratifikasi sosial, hasil tangkapan, dan persepsi terhadap perubahan iklim. Strategi adaptasi yang diterapkan oleh nelayan di Pulau Bintan meliputi pemanfaatan jaringan sosial, penyesuaian waktu dan konsumsi, meminjam uang, mengalihkan sumber pendapatan, a diversifikasi mata pencaharian, penyesuaian teknik dan teknologi penangkapan serta penyesuaian investasi. Pengetahuan tentang perubahan iklim dan respons terhadap dampak perubahan iklim juga berperan penting dalam menentukan strategi adaptasi yang diambil oleh masyarakat nelayan.

Kata kunci : perubahan iklim, pulau kecil, perilaku adaptasi, diversifikasi matapencaharian, on-fishing employment, off-fishing employment, non fishing employment, strategi adaptasi

FISHER'S ECONOMIC ADAPTATION STRATEGY TOWARDS
THE IMPACT OF CLIMATE CHANGE
IN BINTAN ISLAND RIAU ISLANDS PROVINCE

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ABSTRACT

Climate change is a global issue that has significant impacts on the development and economic sectors, as well as on human life as a whole. The impact is not limited to certain areas but extends to coastal regions and small islands, which often have high vulnerability and low adaptive capacity. Bintan Island in the Riau Archipelago Province is one of the small islands facing challenges due to climate change. This research uses qualitative and quantitative methods. The qualitative approach was conducted to identify the diversity of fishermen's jobs, both within the fisheries sector and outside of it, as well as to analyze fishermen's behavior. The analysis of the diversification of jobs undertaken by fishermen and their household adaptation strategies to climate change was conducted using a quantitative approach employing the Probit Binomial Regression Model. The research results show that fishermen diversify their livelihoods through three categories of work: On-fishing Employment, Off-fishing Employment, and Non-Fishing Employment. Variables that influence job diversification include experience, social stratification, catch results, and perceptions of climate change. The adaptation strategies of fishermen on Bintan Island consist of utilizing social networking, time adjustment, consumption adjustment, borrowing or credit facility, family adjustment, job diversification, technology adjustment, and investment adjustment. The variables that influence the adaptation strategies of fishermen in facing climate change are knowledge about climate change and responses to climate change. Knowledge about climate change and responses to its impacts also play a crucial role in determining the adaptation strategies adopted by the fishing community

Key words : climate change, small island, adaptation behaviour, livelihood diversification, on-fishing employment, off-fishing employment , non fishing employment, adaptation strategy

