

# BERTHING ALONG SIDE PIER: RISK FACTORS AND SAFETY PRACTICES DURING MOORING AND UNMOORING OPERATIONS



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## **Abstract**

Mooring and unmooring of vessels in berthing alongside pier demand a high degree of teamwork for being potentially hazardous operations. Hence, a code was established to describe the good practices for the safe and efficient mooring of vessels. This descriptive -correlation study aimed to determine the correlation between risk factors and safety practices in the mooring of 100 merchant officers of Marlow Navigation Philippines. The salient findings were (1) a large percentage of the respondents had been on board for 3-5 years and held the position of able seamen, (2) The respondents recognized the risk factors involved during mooring/unmooring operations, (3) The respondents observed safety practices during mooring/unmooring operations, (4) The respondents had the same safety practices during mooring/unmooring operations regardless of years spent onboard the ship, and (5) The more the respondents recognize the risk factors, the more they observe safety practices during mooring/unmooring operations. Therefore, the more the respondents are able to identify the risk factors involved in mooring, the greater safety practices will be implemented in marine operations.

## **Keywords:**

*Mooring, Risk, Safety, Practices*

