

A field assessment of floor slipperiness in a fish market in Taiwan

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### Abstract

A field assessment of floor slipperiness in ten fish stands in a fish market in Taiwan was conducted using both friction measurements and subjective ratings. The friction measurements were conducted using the Portable Skid Resistance Tester (PSRT). The subjective ratings of floor slipperiness of both the workers and the customers were collected. The friction measurement results showed that the sink areas had both the lowest friction values and subjective ratings. The overall friction measurement results and the subjective ratings were in fair agreement ( $r=0.46$  and  $\rho=0.49$ ). The customers perceived the walkways as somewhere between “very slippery” to “somewhat slippery” and the picking-up areas as “very slippery.” These were different from the perceptions of the workers where they perceived both areas as “somewhat slippery.”

Keyword : slips & falls, the Portable Skid Resistance Tester, friction measurement, subjective rating of floor slipperiness