

**UNIVERSITI TEKNOLOGI MARA**

**DETERMINANTS OF SERTU  
CLEANSING INTEGRITY IN HALAL  
LOGISTICS OPERATIONS IN  
MALAYSIA**

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## ABSTRACT

The motive for halal logistics is to assure integrity of halal product and maintaining the halal status throughout the supply chain from the halal certified manufacturers and to the consumers. When a halal product comes into physical contact with a non-halal substance or cross contamination occurs during the transport and logistics delivery, the halal product becomes non-halal. Non halal product is haram product contaminated with “filth” or *najis* which affect human consumption or use. Thus sertu cleansing operations is to ensure transport and logistics carrying halal product are assured with no occurrence of contamination. Sertu cleaning is not merely cleansing or cleaning dirt or filth, it is an act of “purification” and assurance of health and hygiene with shariah values. There is a gap and weakness to guarantee assurance of halal integrity of halal product along the supply chain as transporters and logistics service providers are not fully aware of mitigation controls and effects on cross contamination; the requirements and compliance for sertu cleansing in their operations; and assurance of tracking and traceability of logistics delivery. Additionally, the integrity element in sertu cleansing has yet to be explored due to lack of study. Therefore, this study attempts to investigate on determinants in sertu cleansing integrity in transport operations for halal logistics in Malaysia with reference to the Malaysia Standards MS2400: 2010. The main objective of this study was to investigate the determinants of sertu cleansing integrity in transport and containers deployment for halal logistics operations; together with secondary objectives: to study sertu cleansing practices in transport operations; and to investigate determinants of sertu cleansing integrity for halal logistics operations. Qualitative research design was adopted using case study approach with in-depth interview with ten purposively-selected informants from halal stakeholders in Malaysia. Categories and themes were formulated based on coding analyses from the interview transcriptions. Analysis posited six determinants on sertu cleansing integrity for halal logistics operations are: awareness, procedures and standard, process, people, sertu product, and documentation and record. Significance of this study is towards integrity element and evaluation in sertu cleansing, tracking and traceability for halal assurance. In conclusion, the research objectives had been achieved with the proposed sertu cleansing integrity model for halal logistics operations in Malaysia.

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