

<b>Thesis Title</b>	Design Dielectric Detector for FRP Hot Stick in EHV Live Line Maintenance and Field Effect Parameter Workers During Using The FRP Hot Stick in Live Line Maintenance
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## **ABSTRACT**

In this thesis, presents and approach to test the FRP hot stick and Rope that use in Hot Line Work. This approach is easy to use job site inspection and inexpensive.. The method is test in compliance with IEEE Std.978-1984, Guide for In-Service Maintenance and Electrical Testing for Live-Line Tools. And OSHA (Occupation Safety & Health Administration) Regulation 1910.269 Part J-Live Line Tools. The FRP Hot Stick checkers are portable device that can be use for job site inspection of live-line tools to prevent Flashover. Work safely that is the first priority for Hot Line Work. The Field effect study and research are necessary to guarantee safe condition for Worker. This Project objective for understanding about field effect of Hot Line Worker. The problem, root cause and corrective actions from this Project are usefulness to prevent unsafe conditions of Hot Line Worker.