

# Spacer Damper for 500 Kv Transmission Line Prototype Design, Fabrication and Mechanical Performance Testing

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## Abstrak

Concerning with the local low capability in producing and manufacturing the Power sector components and equipment, in Contrast, in PJP-II (the second phase of national long term development) this mentioned infrastructure will be progressively developed. For this purpose a wide research program on power sector components and equipment should be carried out in the University of Indonesia for strengthening the engineering and manufacturing capability of the industries in the power sectors especially the medium and small scale Industries (SA/fl). The first phase of the study will focus on the prototype design, fabrication method and procedures and mechanical performance testing of 500 KV transmission line spacer damper. In this study, the mechanical testing on the prototype spacer damper will consist of structural static and fatigue test, Test on rubber part and damping study, In the next phase for complete prototyping, high voltage electrical testing (corona testing) will be also conducted.