A SYSTEMATIC LITERATURE REVIEW OF FUNGAL INFECTION ON OIL PALM TRUNK (BOTTOM SECTION)

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ABSTRACT

A SYSTEMATIC LITERATURE REVIEW OF FUNGAL INFECTION (*Ganoderma boninense*) ON OIL PALM TRUNK (BOTTOM SECTION)

Infected oil palm trunk (OPT) caused by *Ganoderma boninense* is the most impactful and concerning the disease of oil palm in Southeast Asia (especially Malaysia and Indonesia), requiring urgent consideration in plant resistance breeding. Chemical and cultural control methods have proven inefficient, if not ineffective. Previously, the disease was only found in elder palms planted on high-moisture oil palm land. Disease recurrence on younger replants has grown more common and rising in inland areas as a result of continued replanting (some into the third cycle) of susceptible and limited genetic-based genotypes. Methods were utilized to identify fungi that infected the OPT and caused harm to the OPT. For a long time, the lack of a plant resistance source and an effective screening technique has impeded progress in resistance breeding.

Keywords: (Infected, Oil Palm Trunk, *Ganoderma boninense*)

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TABLE OF CONTENT