

**A SURVEY OF PLANT DISEASES ON STREET TREES AFTER
PHENOMENON ELNINO IN ZON 3, UNIVERSITI MALAYSIA SABAH,
MAIN CAMPUS.**

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ABSTRACT

Street trees are any trees planted or grown within the public pathway. Street trees play an important role as ornamental plant which have an aesthetics, social, and natural value. A survey study was conducted in Universiti Malaysia Sabah (UMS) after El-Nino phenomenon and it was found that there were many street trees infected by diseases. It is important to create awareness on maintaining a healthy environment by preventing the occurrences of disease symptoms on street trees. The objective of this research is to study the disease incidence and degree of severity found in zone 3 inside the UMS campus area. Picture matching method was used to identify each individual trees species. A survey of visual tree assessment have been conducted on the disease symptoms observed as well as the evaluation of degree severity on the overall tree condition studied. The finding shows that, a total of 482 trees comprised of 7 species have been identified. There are total of disease incidence by symptom is about 7 symptom. Such as, canker (n=448), discoloration (n=3), gall (n=5), chlorosis (n=177), nekrosis (n=128), wilt (n=7), and dieback (n=71). The condition of street trees in Zon 3 with degree of severity is about low at scale 2, in the severity was about 25% damage for the degree of severity for street trees. The data of this study can assist JPP UMS management in maintaining street tree in Zone 3 (JPP).