

## **TECHNICAL ANALYSIS OF SECURITY AND WIRELESS LAN SOLUTION**

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### **Abstract:**

Most of the Wireless LAN (WLAN) currently use the 2.4 gigahertz frequency band (GHz), the only part of the radio spectrum frequency (RF), which is left in the world who have yet to perangkat license. By using the Wireless LAN RF means that clients are located in the service access point (AP) can receive data transmitted from the access point. Because radio waves propagate through the ceiling, floor or wall, the data transmission can reach intended recipients who are not in the room a different building or outside the building that has the AP.

802.11 WLAN protocol standard that has many weaknesses in terms of security. A hacker / intruder with easy to use analysis software to identify the 802.11 Service Set Identifier (SSID). By using these utilities, a hacker can monitor frames sent over the WLAN.

Wired Equivalent Privacy (WEP) which is used to encrypt each set of frames, but a hacker can easily break the WEP encryption of information after an active network monitoring.

Bibliography: 6 (1990 - 1999)

