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Some plants extracts Synergism effects in Pathogenic bacteria

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Abstract: Synergism between plants extracts were carried out in present study using six common plants which extracted by mixture of methanol: water (20:80)%, then it characterized by thin layer chromatography, antimicrobial activity of these extract performed using OD of bacterial growth at 600 nm against *E.coli*, *S.aureus*, *Serratia Spp.*, *Klebsilla pnemoniae*, *Aeromonas hydrophila* isolation from different source in hospital tests were performed as only one extract on every bacterial species then tow extract was mixed together for evaluated synergist efficiency on every bacterial species, results show that used one extract only causes decreased in bacterial growth in different level, barley was the more effect on pathogenic bacteria but sage was lower effect, it caused activated bacterial growth. Synergism between plant extract also show different effects level according to mixture forming and types of bacterial species. Present study concluded that mixture of plants used in herbal medicine have disadvantages in addition of its advantage to treatment bacterial infection, in other hand synergism between plants may be more effects.

Key words: Synergism , OD, pathogenic bacteria.

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