

Effectiveness of *Micania micrantha* Extract on Woven Wound Dressing Materials

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Abstract : Sometimes it causes external bleeding when human skin gets seriously injured. Natural source-based blood-clotting bandages are rarely used. The available chemically treated blood clotting materials sometimes show adverse effects and are not effective in quick recovery. Considering these facts, a new blood clotting woven wound dressing product has been developed which is a combination of *Micania micrantha* extract with woven fabric by absorption process. This product can be represented as an important addition to medical textiles. To develop a dressing material, *Micania micrantha* leaf juice was applied on bleached woven fabric, followed by sun drying. The effectiveness of this woven sample was tested on volunteers. It was observed that *Micania micrantha* containing woven sample has a tremendous effect over conventional wound dressing materials. This result is a milestone for the textile and medical sector.

Keywords : blood clotting, *Micania micrantha*, medical textiles, woven fabric

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