

## Formulation Of Suppositories Using Allanblackia Floribunda Butter As A Base

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The rectal route for drug administration is becoming attractive to drug formulators because it can avoid hepatic first-pass effects, decrease gastrointestinal side effects and avoid undesirable effects of meals on drug absorption. **Suppositories** have been recognized as an alternative to the oral route in situations such as when the patient is comatose, unable to swallow or when the drug produces nausea or vomiting. Effective drug delivery with appropriate pharmaceutical excipient is key in the production of clinically useful preparations. The high cost of available excipients coupled with other disadvantages has led to the exploration of potential excipients from natural sources. *Allanblackia floribunda* butter a naturally occurring lipid is used for medicinal, culinary and cosmetic purposes. Different extraction methods (**solvent (hexane)** extraction, traditional/hot water extraction and cold/screw press extraction) were employed to extract the oil. The different extracts of *A. floribunda* oil were analyzed for their physicochemical properties and mineral content. The oil was used as a base to formulate Paracetamol and Diclofenac suppositories. Quality control test were carried out on the formulated suppositories. The %age oil yield for hexane extract, hot water extract and cold press extract were  $50.40 \pm 0.00$ ,  $37.36 \pm 0.00$  and  $20.48 \pm 0.00$  respectively. The acid value, saponification value, iodine value and free fatty acid were  $1.159 \pm 0.065$ ,  $208.51 \pm 8.450$ .

**Key words:** *Allanblackia Floribunda*, Suppositories, Paracetamol, Diclofenac

### Biography

Mary Konadu Studied at Kumasi technical University and University of Cape Coast. She worked as Procurement National Personnel at Ghana Grid Company Limited.

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