

## **Scale structure among different types of keratin fibers**

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### **ABSTRACT**

Camel-hair characteristics located as textile materials somewhere between wool and hair. This unique structure creates many desirable properties for it. The cuticle cells anchor the fiber in the sheep's skin and had a surface structure of overlapping scales. Scales types and their dimensions play a vital role not only in distinguishing them among animal's fibers but also in nonwoven textile. In This experiment, 600 fibers were taken to investigate the relation between diameter and scale characteristics. Medulla types were also studied and its correlation with scale types.

Key words. Camel-hair, scales, medulla