

Employing knitted fabrics characteristics in design and producing variable size children's clothing

Dr. Hanaa Abdullah Abdulghani Alnawawy

Lecturer in Clothing and Textile Department, Faculty of Home Economics, Al-Azhar University

Hanaalnawawy@azhar.edu.eg

Dr. Amany Moustafa Ibrahim Khalaf

Lecturer in Clothing and Textile Department, Faculty of Home Economics, Al-Azhar University

Amanykhalaf@azhar.edu.eg

Research Summary

Childhood is considered one of the most important human life stages, characterized by abundant physical & mental activities, assisting in child surrounding reactions. Due to rapid growth in this stage, it is necessary that child clothing fits his demands, providing security, functional and aesthetic purposes as well as his organic & functional requirements, hence this research aims to use knitted fabrics combined with woven fabrics achieving good functional and aesthetic characteristics of clothing as long as possible.

12 Proposal models are designed and judged by a group of field specialists, the evaluations for quality factors of proposed designs showed that all designs come in the appropriate level. The 6 designs that have got the highest evaluations from both consumers (mothers) and field specialists have been implemented, All designs were at (appropriate) level, Agreement factors of field specialists ranged between (80.95%-100%), and probable average values ranged between (2.43- 3.0) and the arrangement of implemented designs were (design no.3, design no. 9, design no. 4, design no.10, design no.11, design no. 12) In the other hand As for the consumers have signed designs (3, 4, 9, 10, 12) at the level of (appropriate), ranging agreement factors between (89.84% - 93.33%), and probable average values ranged between (2.70 - 2.80) . The design (11) at the level of (almost appropriate), and reached agreement factor of (75.24%), and probable average values range of (2.26), the order of implemented designs from the consumers view were (design no. 9, design no. 3, design no. 12, designno.4, design no. 10, and design no. 11)

Keywords: Synthesis, Knitwear, Children's Clothing