

## *Hanji* – The Art of the Wind

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Keywords: *Hanji*, Tennis, Body Mapping Design, Korean New Women

**Purpose.** The purpose of designing *Hanji* – The Art of the Wind, was to explore an innovative design approach incorporating a concept of sustainability and textile science. More specifically, this study is to verify that combination of *Hanji* yarn (made with Paper Mulberry by Korean traditional paper making techniques) and Body Mapping Approach contributes to the (a) eco-friendly design, (b) aesthetic appeal, and (c) technical performance of the garment.

**The Design Process & Techniques.** The garment is composed of a dress with a wrap-skirt and hair band. This garment design was inspired by the 1930's Korean New Women's retro tennis dress which emphasized femininity by having slim waist lines, and more fitted and slender silhouettes (Suh, 2013), giving the appearance of a matured Paper Mulberry tree. The color scheme of this garment consisted of ivory and orange, illustrating the color of the inner bark of the tree trunk and the pom-pom fruits of paper mulberry. The designer selected a fine 15 gauged *Hanji* yarn blended with cotton (40% *Hanji*, 60% cotton) to strengthen morphostasis and softness of the garment (Jang et al, 2015).



Adobe Illustrator CS6 and Seiki APEX3 were used to simulate and construct the design, silhouette, and fitting in a three-dimensional view. The patterns were digitized into OptiTex PDS 12. Both a manual (SYC) and computerized flat knitting machine (PROTTI, PV91X3) were used to overcome limitations associated with the delicacy of the yarn. The knitted components were cut and sewn to be completed as a garment.

The gossamer web texture of paper mulberry was reflected in the airy mesh texture of the textile to enhance ventilation in the chest, back, lateral torso, and thigh areas according to the Body Mapping Approach (Gerrett et al, 2014).



**Contribution of Piece.** The innovative design approach of this garment contributes to the (a) eco-friendly design (e.g., biodegradability, natural cooling), (b) aesthetic appeal (e.g., color resolution), and (c) technical performance (e.g., ventilation) of the garment. This design shed new light on the fashion history of Korea through the re-interpretation of Korean New Women's fashion style (Garment: 34", Waist: 27", and Hip: 37". Approximately Fits US size 4).

### References

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