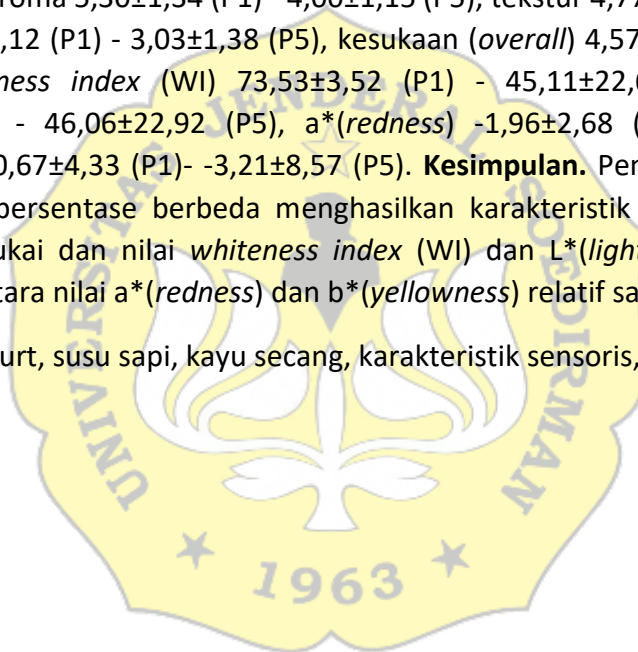


ABSTRAK

Catur Aprilia Anggraeni. Latar Belakang. Tujuan penelitian untuk mengetahui Pengaruh Penambahan Kayu Secang (*Caesalpinia sappan* L.) dengan Persentase yang Berbeda terhadap Karakteristik Sensoris dan Warna Yoghurt Susu Sapi. **Materi dan metode.** Bahan yang digunakan yaitu 10.000 g susu sapi, 50 g kayu secang, 25 g stater. Penelitian dilakukan secara eksperimental dengan Rancangan Acak Lengkap (RAL) dengan 5 perlakuan dan 4 ulangan. Perlakuan yang diberikan adalah penambahan kayu secang 0,1% (P1), 0,3% (P2), 0,5% (P3), 0,7% (P4), 0,9% (P5). Data dianalisis menggunakan analisis variansi (ANOVA) dengan uji lanjut beda nyata terkecil (BNT) dan beda nyata jujur (BNJ). **Hasil.** Penelitian menunjukkan bahwa penambahan kayu secang berpengaruh sangat nyata ($P < 0,01$) dan berpengaruh tidak nyata ($P > 0,05$) terhadap karakteristik sensoris dan *whiteness index* (WI). Rataan karakteristik sensoris adalah warna $5,27 \pm 0,91$ (P1) - $3,63 \pm 1,40$ (P5), aroma $5,30 \pm 1,34$ (P1) - $4,00 \pm 1,15$ (P5), tekstur $4,77 \pm 1,04$ (P1) - $3,88 \pm 1,29$ (P5), rasa $4,17 \pm 1,12$ (P1) - $3,03 \pm 1,38$ (P5), kesukaan (*overall*) $4,57 \pm 0,97$ (P1) - $3,60 \pm 1,07$ (P5) dan *whiteness index* (WI) $73,53 \pm 3,52$ (P1) - $45,11 \pm 22,67$ (P5), $L^*(lightness)$ $73,98 \pm 3,54$ (P1) - $46,06 \pm 22,92$ (P5), $a^*(redness)$ $-1,96 \pm 2,68$ (P1) - $-4,70 \pm 3,07$ (P5), $b^*(yellowness)$ $-0,67 \pm 4,33$ (P1) - $-3,21 \pm 8,57$ (P5). **Kesimpulan.** Penambahan bubuk kayu secang dengan persentase berbeda menghasilkan karakteristik sensoris yang disukai hingga agak disukai dan nilai *whiteness index* (WI) dan $L^*(lightness)$ yang sama lalu menurun sementara nilai $a^*(redness)$ dan $b^*(yellowness)$ relatif sama.

Kata Kunci: yoghurt, susu sapi, kayu secang, karakteristik sensoris, warna.



ABSTRACT

Catur Aprilia Anggraeni. Background. The purpose of the study was to determine the Effect of Adding Secang Wood (*Caesalpinia sappan* L.) with Different Percentages on the Sensory Characteristics and Color of Cow's Milk Yogurt. **Materials and methods.** The ingredients used are 10,000 g of cow's milk, 50 g of secang wood, and 25 g of stater. The study was conducted experimentally with a Complete Random Design (RAL) with 5 treatments and 4 replicates. The treatment given was the addition of sappang wood 0.1% (P1), 0.3% (P2), 0.5% (P3), 0.7% (P4), 0.9% (P5). Data were analyzed using variance analysis (ANOVA) with the follow-up test of the smallest real difference (BNT) and the honest real difference (BNJ). **Result.** Research shows that the addition of sappang wood has a very real effect ($P < 0.01$) and an intangible effect ($P > 0.05$) on sensory characteristics and *whiteness index* (WI). The average sensory characteristics were 5.27 ± 0.91 (P1) - 3.63 ± 1.40 (P5), aroma 5.30 ± 1.34 (P1) - 4.00 ± 1.15 (P5), texture 4.77 ± 1.04 (P1) - 3.88 ± 1.29 (P5), taste 4.17 ± 1.12 (P1) - 3.03 ± 1.38 (P5), preference (*overall*) 4.57 ± 0.97 (P1) - 3.60 ± 1.07 (P5) and *whiteness index* (WI) 73.53 ± 3.52 (P1) - 45.11 ± 22.67 (P5), L^* (*lightness*) 73.98 ± 3.54 (P1) - 46.06 ± 22.92 (P5), a^* (*redness*) -1.96 ± 2.68 (P1) - -4.70 ± 3.07 (P5), b^* (*yellowness*) -0.67 ± 4.33 (P1) - -3.21 ± 8.57 (P5). **Conclusion.** The addition of sappang wood powder with different percentages resulted in sensory characteristics that were preferred to somewhat preferred and the *whiteness index* (WI) and L^* (*lightness*) values were the same, then decreased while the values a^* (*redness*) and b^* (*yellowness*) were relatively the same.

Keywords: yogurt, cow's milk, sappang wood, sensory characteristics, color.