

Supplementary data

Table S1. Total soluble solids (TSS), titratable acidity (TA), and turbidity of coconut water of trimmed coconuts dipped in all chemical (C₂₀N₁₀-O₃UFBs, C₁₅N₁₅-O₃UFBs and C₂₀N₂₀) before storage compared with after storage for 30 days.

	Before storage	After storage for 30 days	<i>t-test</i>
<i>TSS of coconut water</i>			
C ₂₀ N ₂₀	7.3	7.1	ns
C ₂₀ N ₁₀ -O ₃ UFBs	7.2	7.3	ns
C ₁₅ N ₁₅ -O ₃ UFBs	7.4	7.1	ns
<i>TA of coconut water</i>			
C ₂₀ N ₂₀	0.089	0.047	*
C ₂₀ N ₁₀ -O ₃ UFBs	0.095	0.051	*
C ₁₅ N ₁₅ -O ₃ UFBs	0.080	0.041	*
<i>Turbidity of coconut water</i>			
C ₂₀ N ₂₀	92	88	ns
C ₂₀ N ₁₀ -O ₃ UFBs	92	91	ns
C ₁₅ N ₁₅ -O ₃ UFBs	91	87	ns

*: significantly different at $p < 0.05$; ns: not significantly different

Table S2. Total soluble solids (TSS), and titratable acidity (TA) of coconut meat of trimmed coconuts dipped in all chemical (C₂₀N₁₀-O₃UFBs, C₁₅N₁₅-O₃UFBs and C₂₀N₂₀) before storage compared with after storage for 30 days.

	Before storage	After storage for 30 days	<i>t-test</i>
<i>TSS of coconut meat</i>			
C ₂₀ N ₂₀	8.2	8.4	ns
C ₂₀ N ₁₀ -O ₃ UFBs	9.6	8.2	ns
C ₁₅ N ₁₅ -O ₃ UFBs	9.0	8.4	*
<i>TA of coconut meat</i>			
C ₂₀ N ₂₀	0.054	0.054	ns
C ₂₀ N ₁₀ -O ₃ UFBs	0.077	0.047	ns
C ₁₅ N ₁₅ -O ₃ UFBs	0.074	0.050	ns

*: significantly different at $p < 0.05$; ns: not significantly different

Table S3. Whiteness, browning index, total phenolic content and PPO activity of coconut mesocarp of trimmed coconuts dipped in all chemical (C₂₀N₁₀-O₃UFBs, C₁₅N₁₅-O₃UFBs and C₂₀N₂₀) before storage compared with after storage for 30 days.

	Before storage	After storage for 30 days	<i>t-test</i>
<i>Whiteness of coconut mesocarp</i>			
C ₂₀ N ₂₀	27.32	30.11	*
C ₂₀ N ₁₀ -O ₃ UFBs	27.50	28.66	*
C ₁₅ N ₁₅ -O ₃ UFBs	27.68	30.88	*
<i>Browning index of coconut mesocarp</i>			
C ₂₀ N ₂₀	24.27	20.84	*
C ₂₀ N ₁₀ -O ₃ UFBs	25.42	21.29	*
C ₁₅ N ₁₅ -O ₃ UFBs	23.95	19.59	*
<i>Total phenolic content of coconut meso-carp</i>			
C ₂₀ N ₂₀	4918.33	5384.83	ns
C ₂₀ N ₁₀ -O ₃ UFBs	4286.25	6008.92	*
C ₁₅ N ₁₅ -O ₃ UFBs	4601.08	5392.67	ns
<i>PPO activity of coconut mesocarp</i>			
C ₂₀ N ₂₀	0.64	0.80	ns
C ₂₀ N ₁₀ -O ₃ UFBs	0.47	0.57	ns
C ₁₅ N ₁₅ -O ₃ UFBs	0.59	0.75	*

*: significantly different at $p<0.05$; ns: not significantly different