

Table S1. DSC analysis result for P(3HB-*co*-3HHx) polymer produced from egg yolk oil

Measuring conditions					
	T_g (°C)	T_c (°C)	ΔH_c (J/g)	T_m (°C)	ΔH_m (J/g)
1st heating	-12.4	53.5	-3.20	142.3	5.72
1st cooling	-23.6	-	-	-	-
2nd heating	-16.2	-	-	-	-

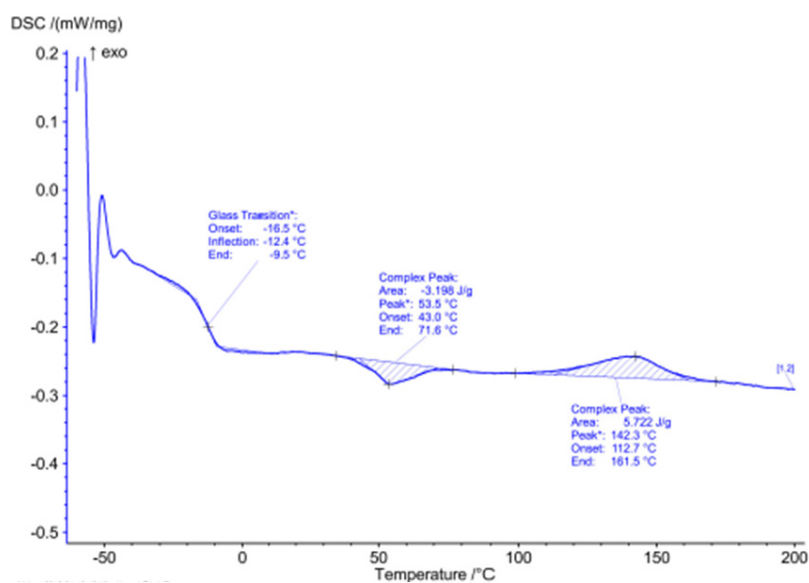


Figure S1. Thermal properties of P(3HB-*co*-3HHx) produced from egg yolk oil

For DSC analysis, the extracted co-polymer was heated twice. The 1st heating result included information about glass transition, crystallization, and melting temperature of the extracted co-polymer.

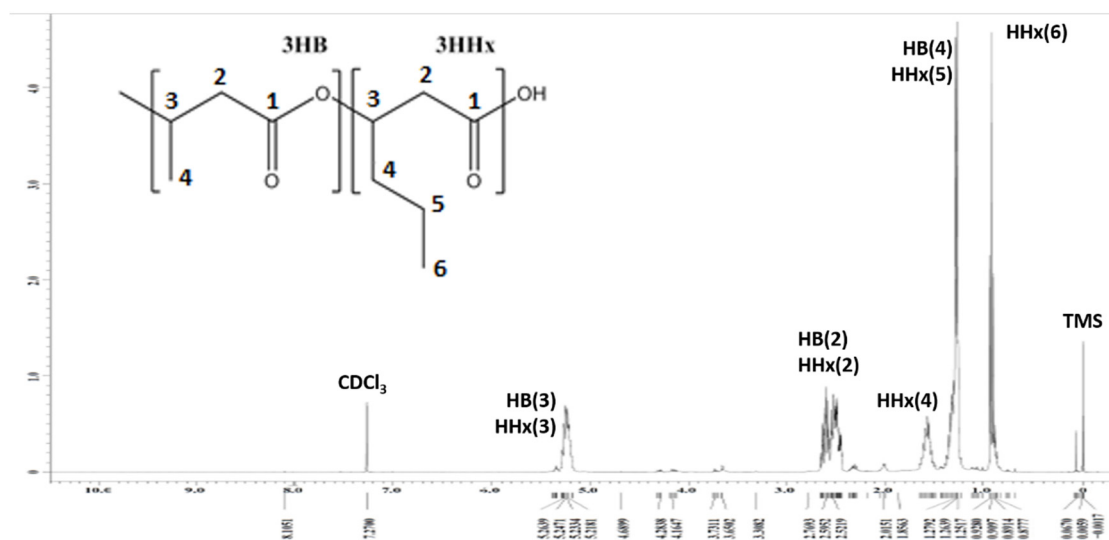


Figure S2. Confirmation of extracted plastic by ¹H NMR analysis

Tetramethylsilane (TMS) was included in the solvent with CDCl₃ as an internal reference. TMS and CDCl₃ solvent peaks were designated with apparent resonance peak of hydrogen molecules included in 3HB and 3HHx.