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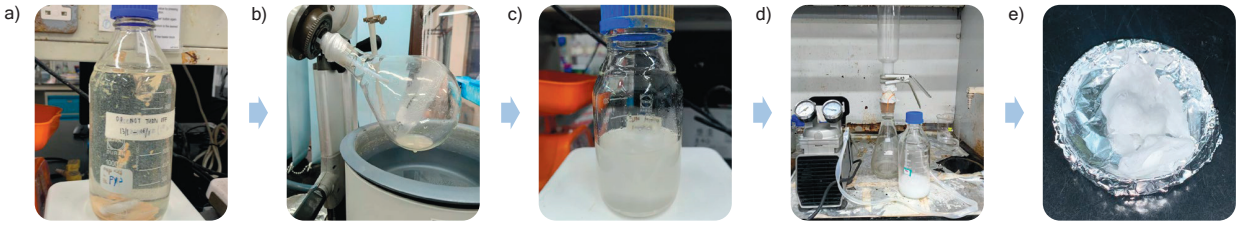

Fig. S1. Diagram showing the steps in polymer extraction: a) disruption of freeze-dried cells and dissolution of polyhydroxyalkanoate (PHA) with chloroform, b) concentration of polymer solution in a rotary evaporator, c) precipitation of PHA with chilled methanol, d) recovery of PHA with a vacuum pump, and e) crude PHA

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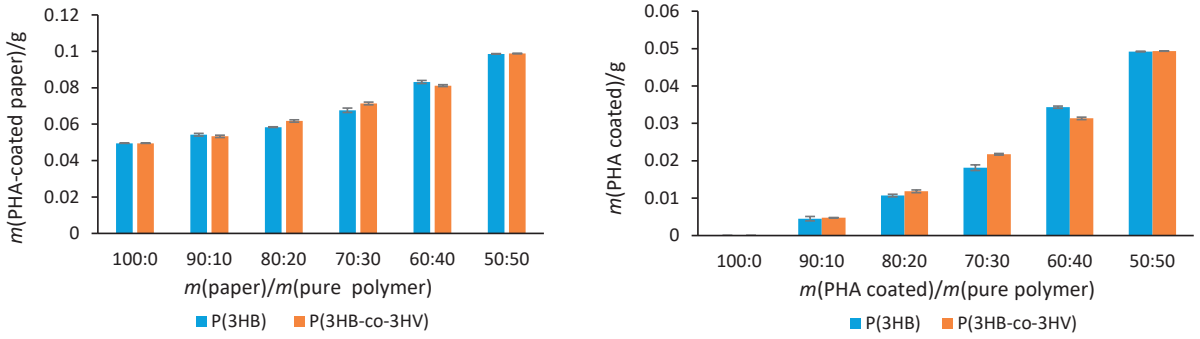

Fig. S2. The mass of: a) paper coated with polyhydroxyalkanoate (PHA) and b) pure PHA polymer

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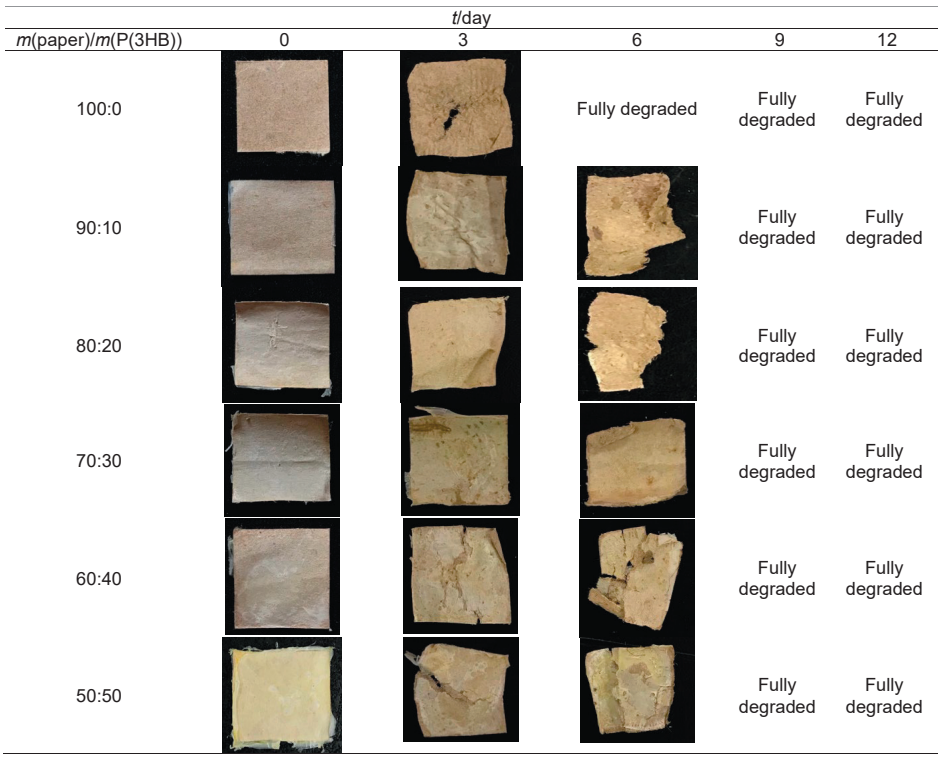

Fig. S3. Physical changes in brown kraft paper coated with P(3HB) throughout the degradation period

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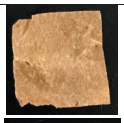
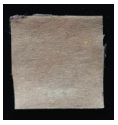
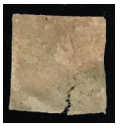
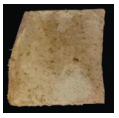
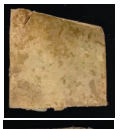
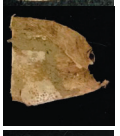
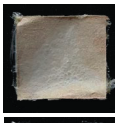
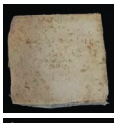
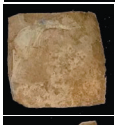
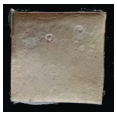
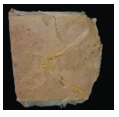
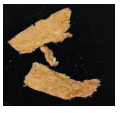
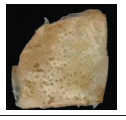
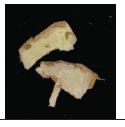
m(paper)/*m*(P(3HB-co-3HV))	*t*/day				
	0	3	6	9	12
100:0			Fully degraded	Fully degraded	Fully degraded
90:10					Fully degraded
80:20					Fully degraded
70:30					Fully degraded
60:40					Fully degraded
50:50					Fully degraded

Fig. S4. Physical changes in brown kraft paper coated with P(3HB-co-3HV) throughout the degradation period