

Supplementary material 1

Table S1 Biological activities including antioxidant, acetylcholinesterase suppression activity (AChEI), monoamine oxidase suppression activity (MAOI), and cyclo-oxygenase II (COX II) suppression activity of placebo soup and JW6601 soup.

Biological activity EC50 ($\mu\text{g}/\text{mL}$)	Bael syrup	Banana-derived resistant starch	Green natural colorant from the mixture of kale and celery	Placebo	RJ6601
DPPH	56.14 \pm 0.33	105.29 \pm 0.88	3.19 \pm 0.45	48.29 \pm 0.05	13.42 \pm 0.18
AChEI	21.71 \pm 0.38	73.10 \pm 0.57	7.76 \pm 0.39	43.62 \pm 0.03	19.39 \pm 0.04
MAOI	34.78 \pm 0.31	95.17 \pm 0.88	42.63 \pm 1.62	17.42 \pm 0.02	12.37 \pm 0.04
COX-2 inhibitor	11.78 \pm 0.69	52.90 \pm 0.85	13.54 \pm 0.01	118.68	38.97 \pm 0.05

According to this table, our data showed that EC50 of antioxidant activity assessed by using DPPH assay revealed that RJ6601 showed lower EC50 than bael syrup, banana-derived resistant starch and green natural colorant from the mixture of kale and celery. Furthermore, MAOI also showed the same pattern of change.