SUPPLEMENTARY MATERIALS

The seed germination bioassay test is presented in Table 5. The germination index (GI) was obtained from the relative seed germination and the relative root growth using cabbage seeds. The relative seed germination (%) = number of seeds germinated in (bokashi) extract divide by the number of seed germinated in the distill water (control) multiply by 100. The relative root growth = average root length in (bokashi) extract divide by the average root length in the control (distill water) multiply by 100. Therefore, GI is given by (RSG x RRG)/100.

Table S1 Seed **g**ermination bioassay using cabbage seeds.

				Number of Seed Germinated in Bokashi Extract				Average Radicle Length (mm) in Bokashi Extract				GI(%)
Dish No	**No. seed**	**SGo**	**RLo**	**25%**	**50%**	**75%**	**100%**	**25%**	**50%**	**75%**	**100%**	
1	10	8	2	10	6	9	6	10.6	5.2	2.8	2	90.1
2	10	6	12.3	9	7	8	8	1.8	7.4	2.9	2.1	
3	10	6	3	8	6	8	4	2.4	7.8	2.6	2	
4	10	6	3.7	7	5	5	8	2.1	5.4	1.7	1.7	
5	10	6	5	7	7	6	6	2.4	8.4	2.2	2.1	
Total	50	32 (a)	26 (b)	43	31 (w)	36 (x)	32	19.3	34.2 (y)	12.2 (z)	9.9	

SGo = Number of seeds germinated in distill water (control), RLo = Average radicle length from 10 seeds in each dish in the control, **(a)** = total number of seeds germinated in the control, **(b)** = total (of the average) radicle length of the germinated seeds in the control, **(w)** = number of germinated seeds in 50% bokashi extract, **(x)** = number of germinated seeds in 75% bokashi extract, **(y)** = total (of the average) radicle length of germinated seeds in 50% bokashi extract, **(z)** = total (of the average) radicle length of germinated seeds in 75% bokashi extract.

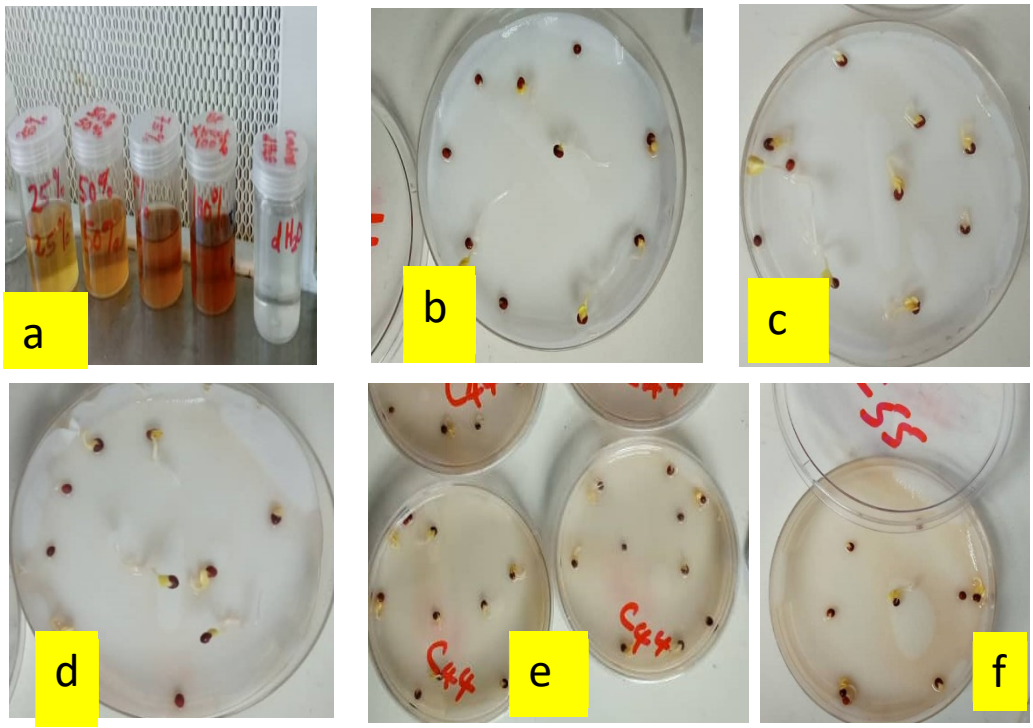

Figure S1. (**a**) Bokashi fertilizer extracting solutions. Then, Cabbage seeds germinating in (**b**) control (dH2O), (**c**) 25% extracting solution, (**d**) 50% extracting solution, (**e**) 75% extracting solution, (**f**) 100% extracting solution.