

# The effect of Jade Dragon Wings organic green tea mass per set volume of distilled water on the growth of Broad bean plant (*Vicia faba*)

## APPENDIX

### SEEDLING LENGTH DATA

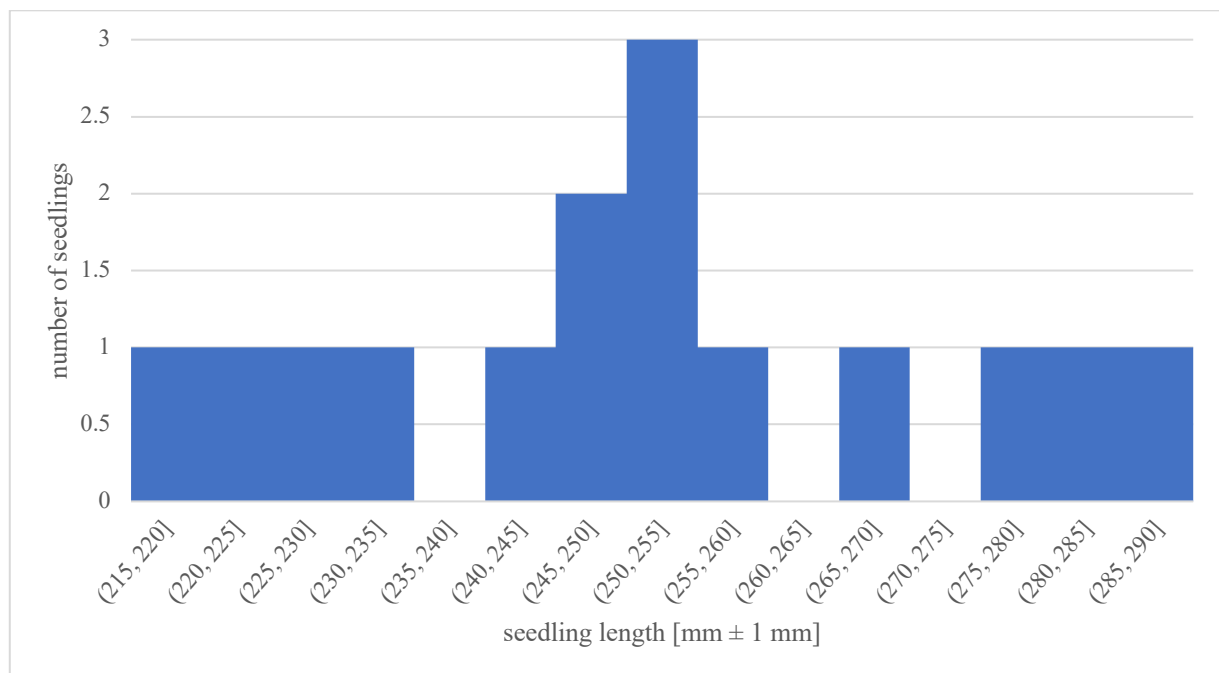
Table 1: raw data for seedling length at different tea masses per set distilled water volume.

Jade Dragon Wings organic tea mass [g $\pm$ 0.05 g /100 cm <sup>3</sup> $\pm$ 5 cm <sup>3</sup> distilled water]	0.00	2.00	4.00	6.00	8.00	10.00
seedling length [mm $\pm$ 1 mm]	218	221	251	276	304	298
	221	237	256	287	297	304
	230	238	263	299	311	311
	234	251	270	305	317	320
	242	268	281	307	326	328
	246	279	285	307	329	339
	250	283	286	318	330	340
	252	287	291	328	330	342
	252	289	294	331	331	345
	253	293	297	333	338	348
	259	294	302	335	340	353
	270	295	323	340	354	364
	278	296	324	340	369	368
	285	300	331	345	362	372
	286	305	339	353	375	374
	/	317	/	358	376	379
	/	/	/	/	/	/
	/	/	/	/	/	/
	/	/	/	/	/	/
	/	/	/	/	/	/

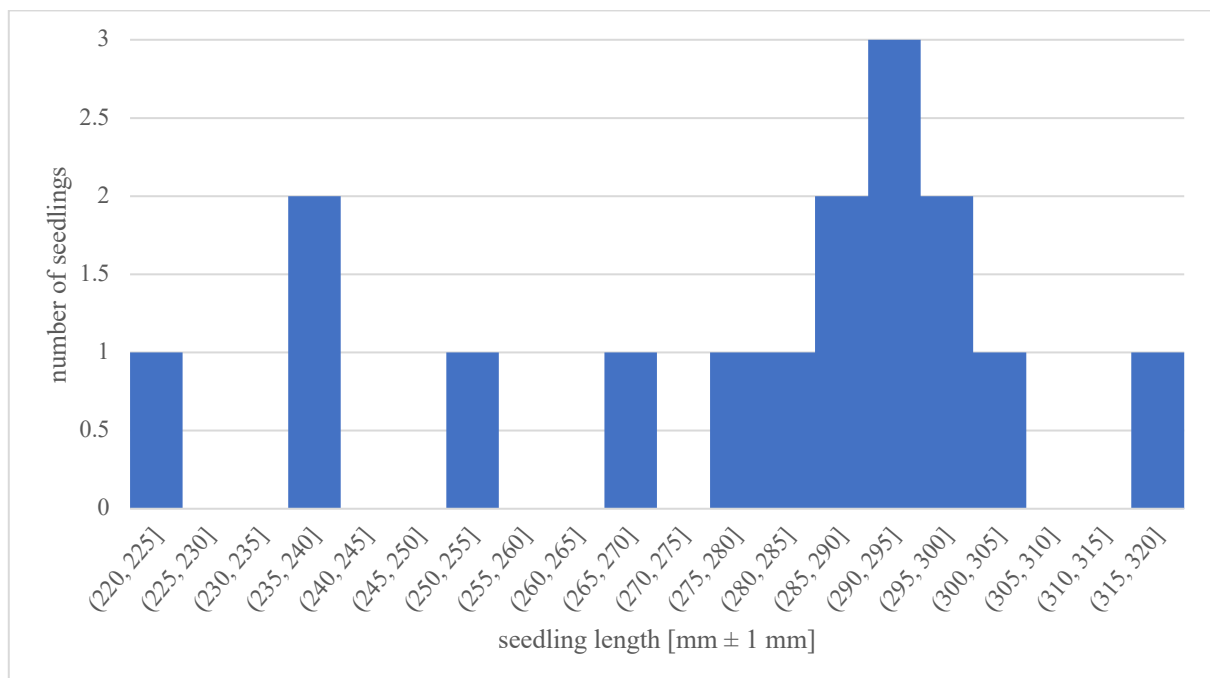
where / means that the planted seed did not germinate.

All histograms, made with Microsoft Excel and used to check for normal distribution are following.

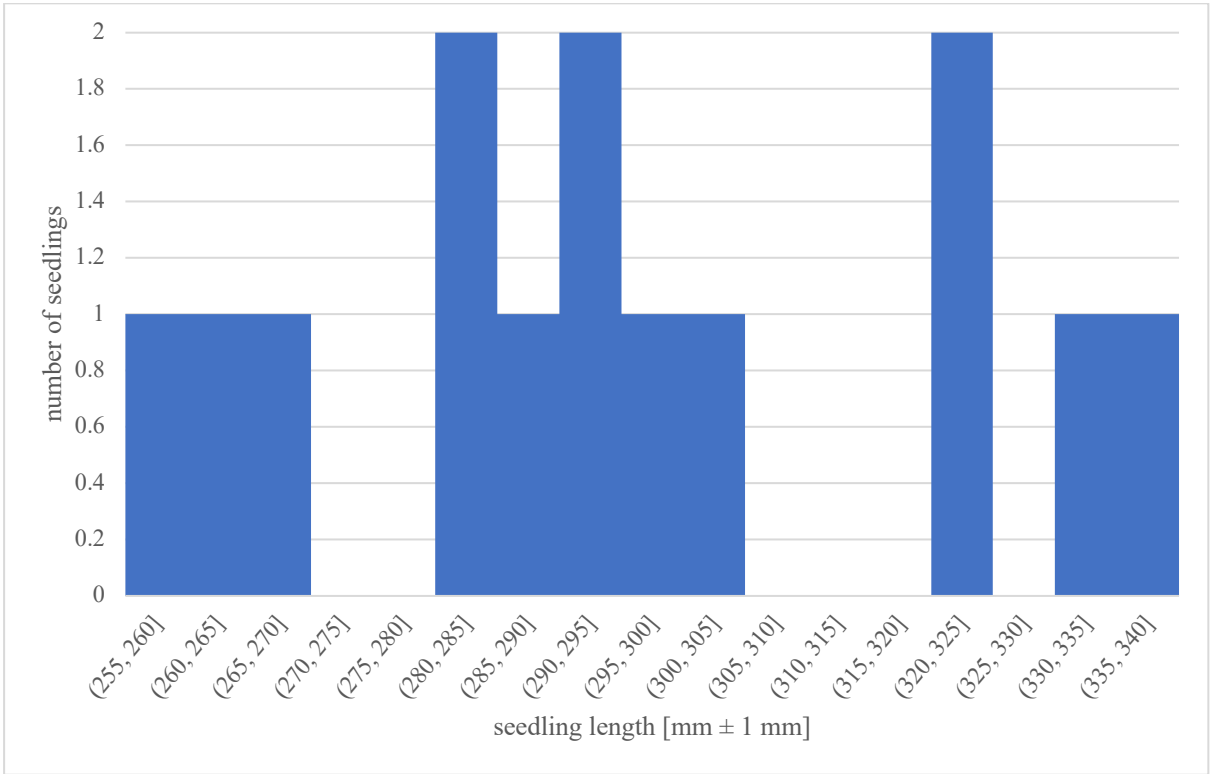
Graph 1: number of seeds within a certain seedling length at 0.00 g Jade Dragon Wings organic tea /100 cm<sup>3</sup> ± 5 cm<sup>3</sup> distilled water.



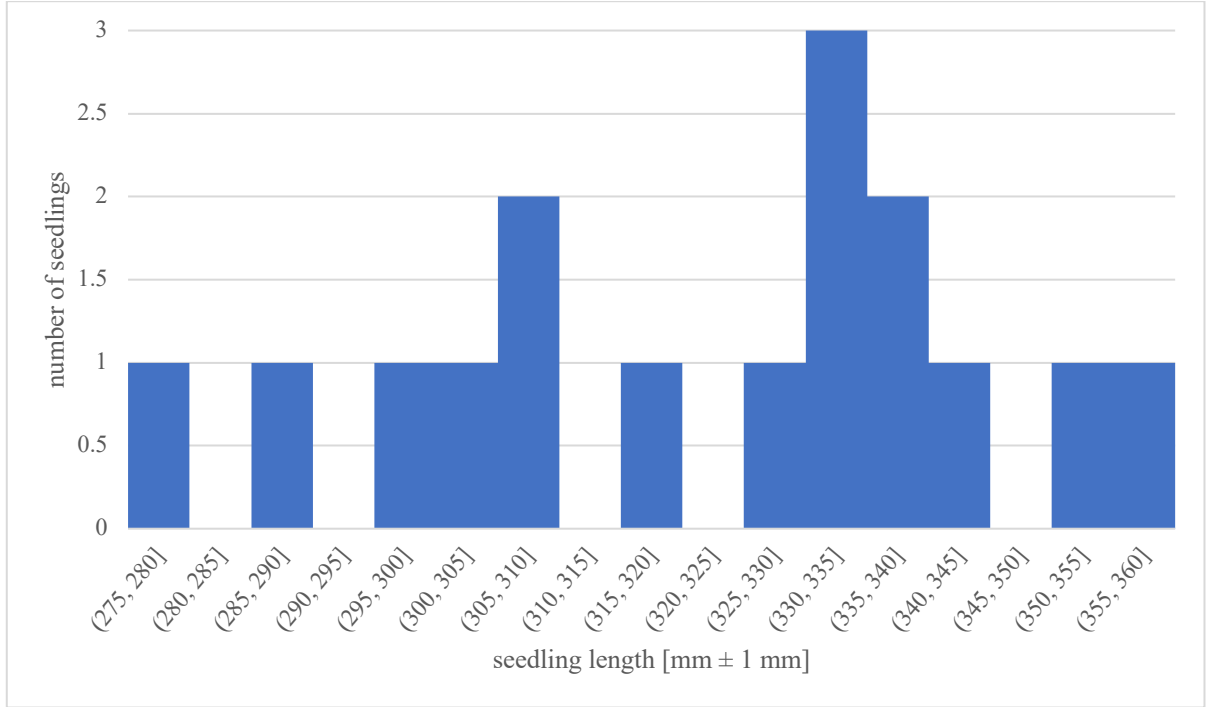
Graph 2: number of seeds within a certain seedling length at 2.00 g ± 0.05 g Jade Dragon Wings organic tea /100 cm<sup>3</sup> ± 5 cm<sup>3</sup> distilled water.



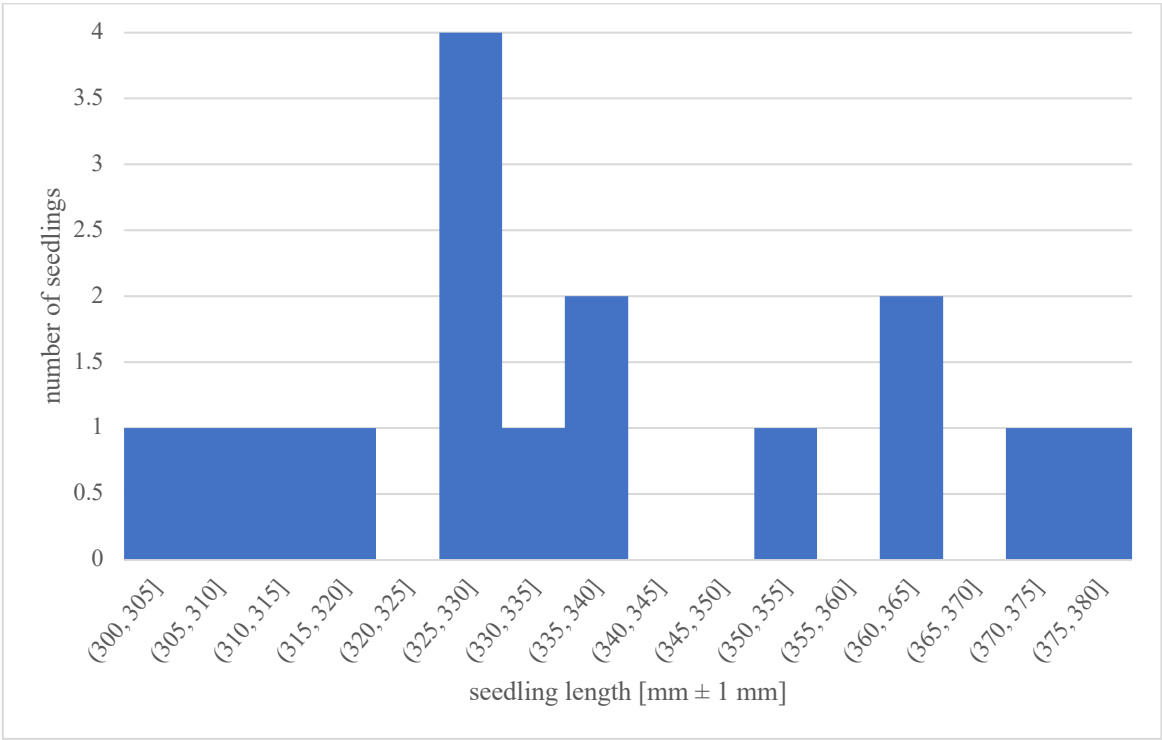
Graph 3: number of seeds within a certain seedling length at 4.00 g ± 0.05 g Jade Dragon Wings organic tea /100 cm<sup>3</sup> ± 5 cm<sup>3</sup> distilled water.



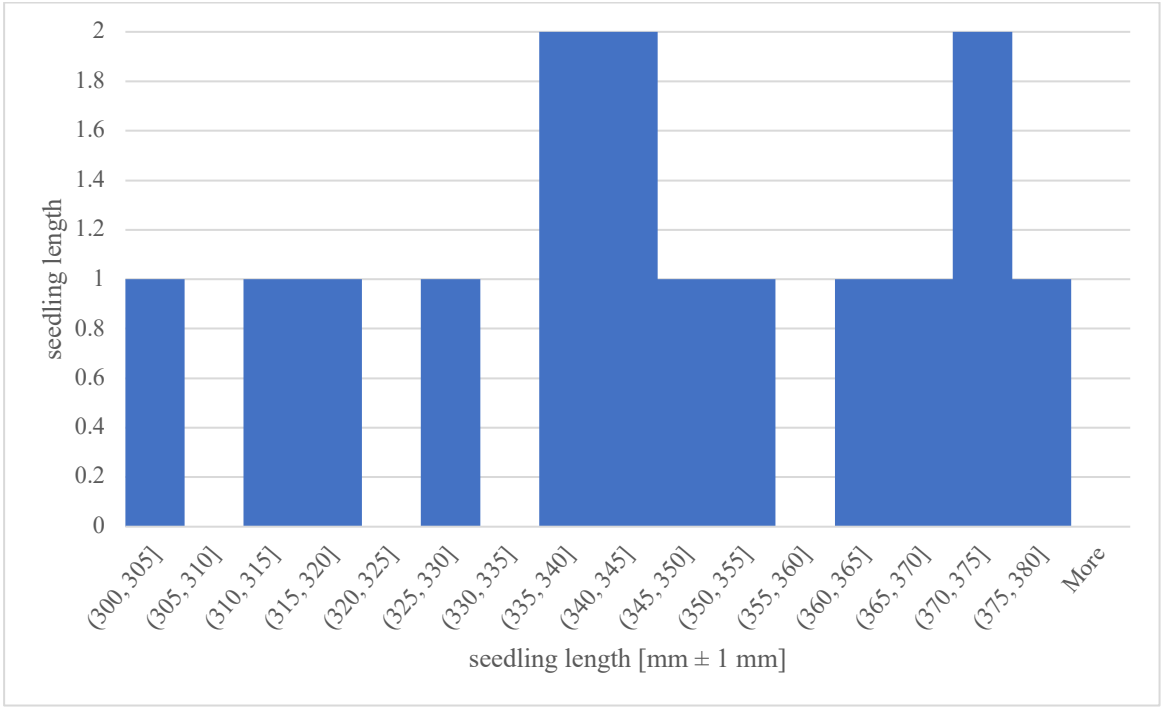
Graph 4: number of seeds within a certain seedling length at 6.00 g ± 0.05 g Jade Dragon Wings organic tea /100 cm<sup>3</sup> ± 5 cm<sup>3</sup> distilled water.



Graph 5: number of seeds within a certain seedling length at  $8.00\text{ g} \pm 0.05\text{ g}$  Jade Dragon Wings organic tea /  $100\text{ cm}^3 \pm 5\text{ cm}^3$  distilled water.



Graph 6: number of seeds within a certain seedling length at  $10.00 \pm 0.05\text{ g}$  Jade Dragon Wings organic tea /  $100\text{ cm}^3 \pm 5\text{ cm}^3$  distilled water.



## LEAF LENGTH DATA

Table 2: raw data for leaf length at 0.00 g Jade Dragon Wings organic tea /100 cm<sup>3</sup> ± 5 cm<sup>3</sup> distilled water.

Jade Dragon Wings organic tea mass [g ± 0.05 g /100 cm <sup>3</sup> ± 5 cm <sup>3</sup> distilled water]	0.00			
leaf length [mm ± 1 mm]	17	28	33	42
	19	28	33	42
	19	29	33	43
	19	29	34	43
	20	29	34	43
	21	29	35	44
	21	29	35	44
	21	29	35	44
	22	29	35	45
	22	29	35	45
	23	29	36	45
	24	30	36	46
	24	30	36	46
	24	30	36	47
	24	31	37	47
	24	31	37	
	25	31	38	
	25	31	38	
	25	31	38	
	25	32	39	
	26	32	39	
	26	32	41	
	26	32	41	
	27	32	42	

Table 3: raw data for leaf length at  $2.00 \text{ g} \pm 0.05 \text{ g}$  Jade Dragon Wings organic tea /  $100 \text{ cm}^3 \pm 5 \text{ cm}^3$  distilled water.

Jade Dragon Wings organic tea mass [ $\text{g} \pm 0.05 \text{ g}$ / $100 \text{ cm}^3 \pm 5 \text{ cm}^3$ distilled water]	2.00			
leaf length [ $\text{mm} \pm 1 \text{ mm}$ ]	2	30	40	44
	22	30	40	44
	23	30	40	44
	23	31	40	44
	24	31	41	44
	24	31	41	45
	25	31	41	45
	25	32	41	45
	25	33	41	45
	26	35	41	45
	26	36	41	45
	27	36	41	45
	27	38	42	46
	27	38	42	46
	28	38	42	46
	28	38	42	46
	28	38	42	46
	28	39	42	46
	28	39	42	47
	28	39	42	47
	28	40	43	47
	29	40	43	47
	29	40	44	51
	29	40	44	53

Table 4: raw data for leaf length at  $4.00 \text{ g} \pm 0.05 \text{ g}$  Jade Dragon Wings organic tea /  $100 \text{ cm}^3 \pm 5 \text{ cm}^3$  distilled water.

Jade Dragon Wings organic tea mass [ $\text{g} \pm 0.05 \text{ g}$ / $100 \text{ cm}^3 \pm 5 \text{ cm}^3$ distilled water]	4.00			
leaf length [ $\text{mm} \pm 1 \text{ mm}$ ]	22	35	42	47
	24	35	42	47
	25	36	42	47
	25	37	42	47
	25	37	43	47
	26	38	43	47
	27	38	43	48
	27	38	43	48
	28	38	44	48
	28	39	44	49
	28	39	44	49
	29	39	44	50
	29	39	44	50
	29	39	45	51
	30	40	45	51
	30	40	45	52
	31	40	45	
	31	40	45	
	32	40	45	
	32	40	46	
	32	41	46	
	33	41	46	
	34	41	46	
	35	41	46	

Table 5: raw data for leaf length at  $6.00 \text{ g} \pm 0.05 \text{ g}$  Jade Dragon Wings organic tea /  $100 \text{ cm}^3 \pm 5 \text{ cm}^3$  distilled water.

Jade Dragon Wings organic tea mass [ $\text{g} \pm 0.05 \text{ g}$ / $100 \text{ cm}^3 \pm 5 \text{ cm}^3$ distilled water]	6.00			
leaf length [ $\text{mm} \pm 1 \text{ mm}$ ]	27	38	45	54
	27	38	45	54
	28	39	45	54
	29	39	45	55
	29	39	46	55
	30	40	46	55
	32	40	46	56
	32	40	47	56
	33	41	48	57
	33	41	49	57
	34	41	49	58
	34	41	50	58
	34	42	50	58
	35	42	50	58
	35	42	51	59
	35	43	51	59
	35	43	51	59
	35	43	51	59
	36	44	52	59
	37	44	52	61
	37	44	53	62
	37	44	53	63
	38	44	53	
	38	45	54	



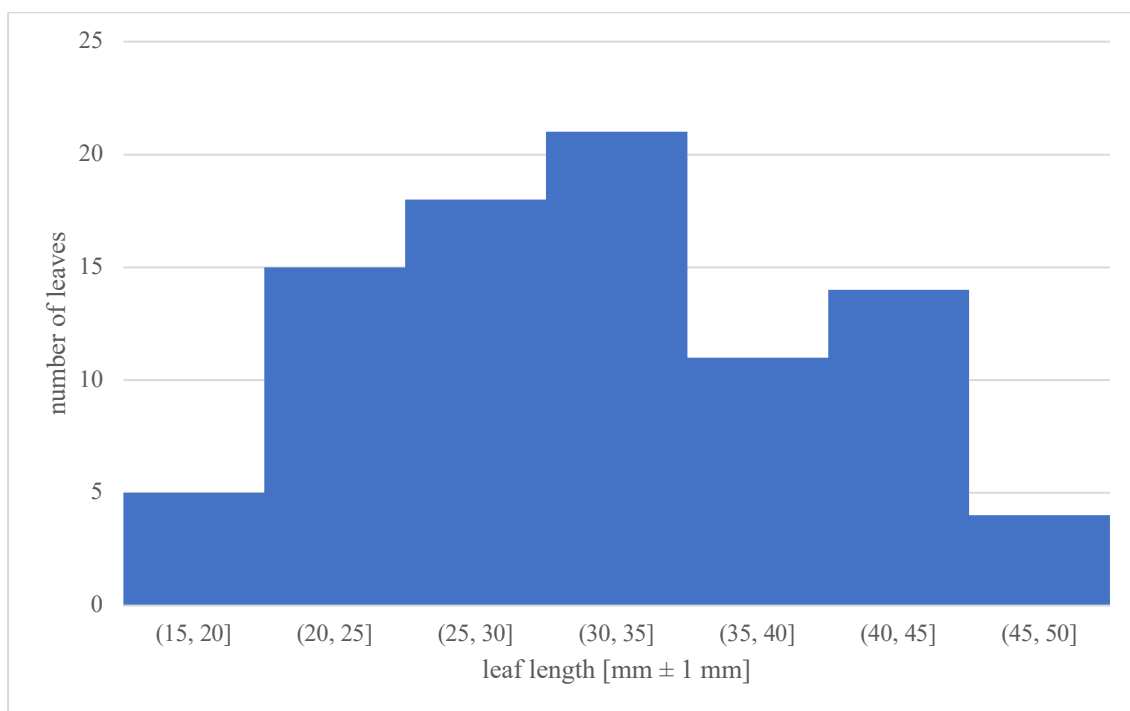
Table 6: raw data for leaf length at  $8.00 \text{ g} \pm 0.05 \text{ g}$  Jade Dragon Wings organic tea /  $100 \text{ cm}^3 \pm 5 \text{ cm}^3$  distilled water.

Jade Dragon Wings organic tea mass [ $\text{g} \pm 0.05 \text{ g}$ / $100 \text{ cm}^3 \pm 5 \text{ cm}^3$ distilled water]	8.00			
leaf length [ $\text{mm} \pm 1 \text{ mm}$ ]	26	42	46	56
	27	42	46	56
	28	42	47	57
	30	42	47	58
	30	43	48	58
	31	43	48	58
	32	43	48	58
	33	43	49	59
	33	44	49	59
	34	44	50	60
	34	44	51	60
	34	44	52	60
	34	44	52	61
	35	45	52	62
	36	45	53	62
	37	45	54	63
	39	45	54	64
	40	45	54	65
	40	45	54	65
	40	46	54	65
	41	46	54	66
	41	46	55	66
	41	46	55	67
	41	46	56	

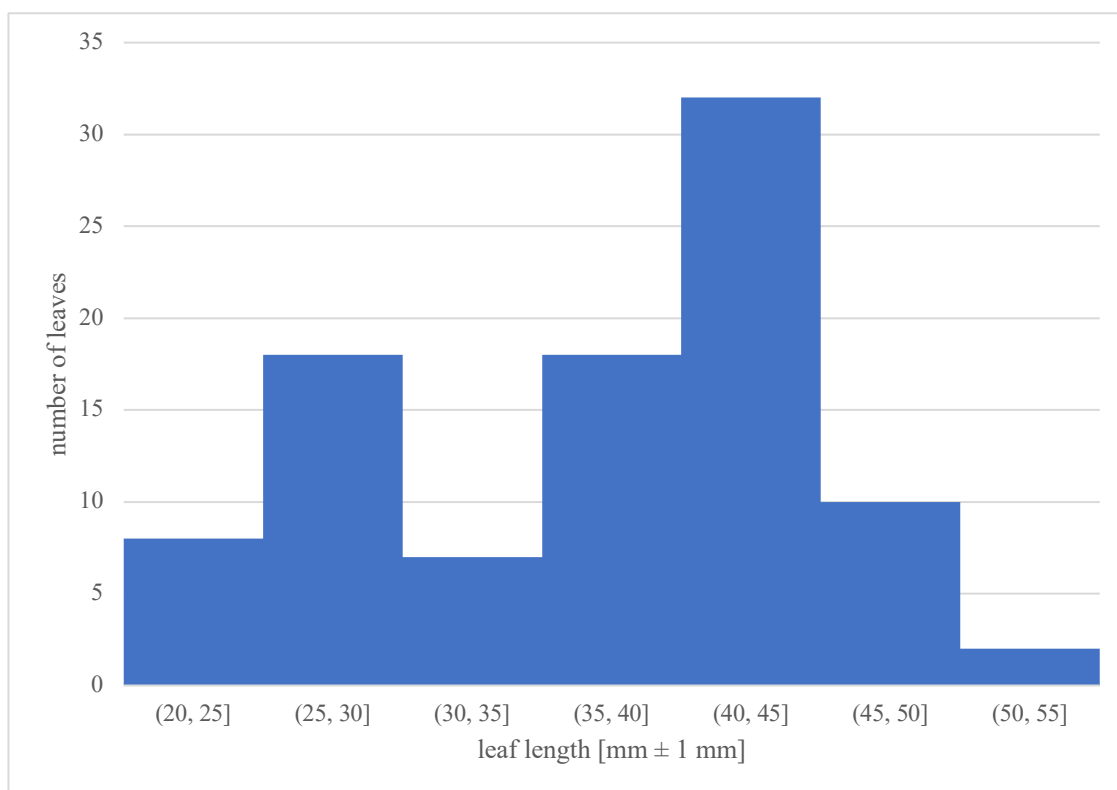
Table 7: raw data for leaf length at  $10.00 \pm 0.05$  g Jade Dragon Wings organic tea /  $100 \text{ cm}^3 \pm 5 \text{ cm}^3$  distilled water.

Jade Dragon Wings organic tea mass [ $\text{g} \pm 0.05 \text{ g} / 100 \text{ cm}^3 \pm 5 \text{ cm}^3$ distilled water]	10.00			
leaf length [ $\text{mm} \pm 1 \text{ mm}$ ]	28	44	52	60
	29	45	52	60
	30	45	52	60
	30	46	53	60
	30	46	53	60
	31	46	53	61
	31	47	54	61
	32	47	54	61
	33	47	54	61
	34	47	54	61
	34	47	54	61
	34	47	55	62
	34	48	56	62
	34	48	56	64
	35	49	56	
	36	49	57	
	37	49	57	
	38	49	58	
	42	49	58	
	43	50	58	
	43	50	59	
	44	50	59	
	44	50	59	
	44	50	60	

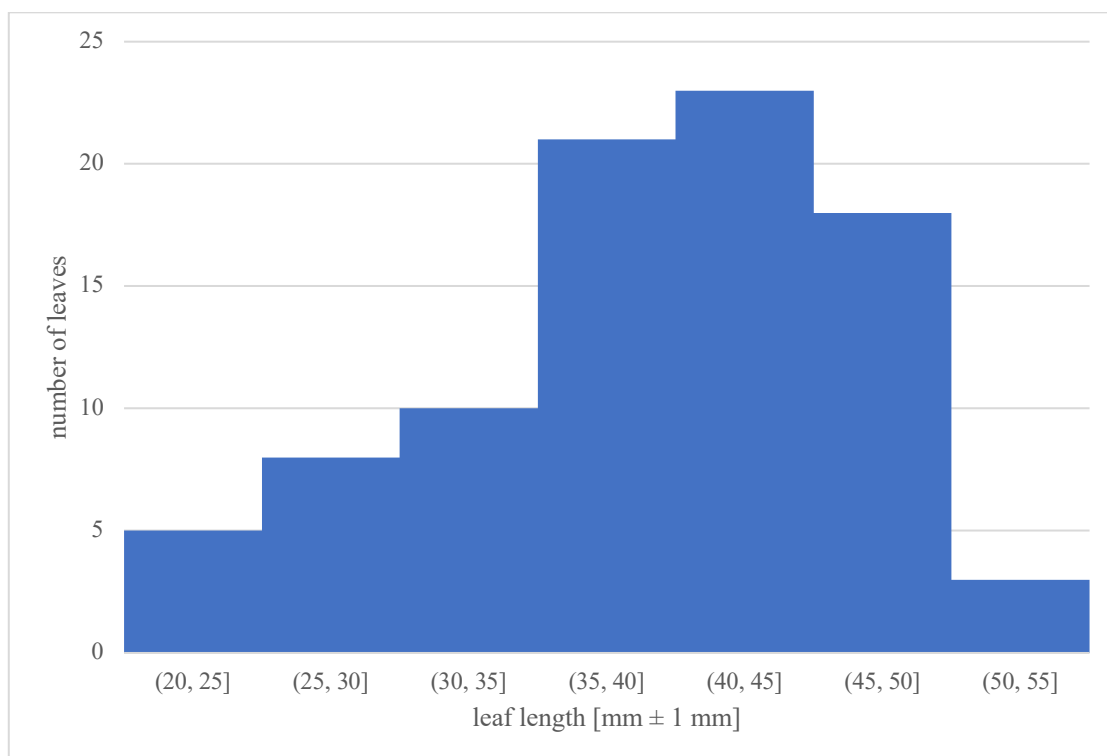
Graph 7: number of leaves within a certain leaf length at 0.00 g Jade Dragon Wings organic tea /100 cm<sup>3</sup> ± 5 cm<sup>3</sup> distilled water.



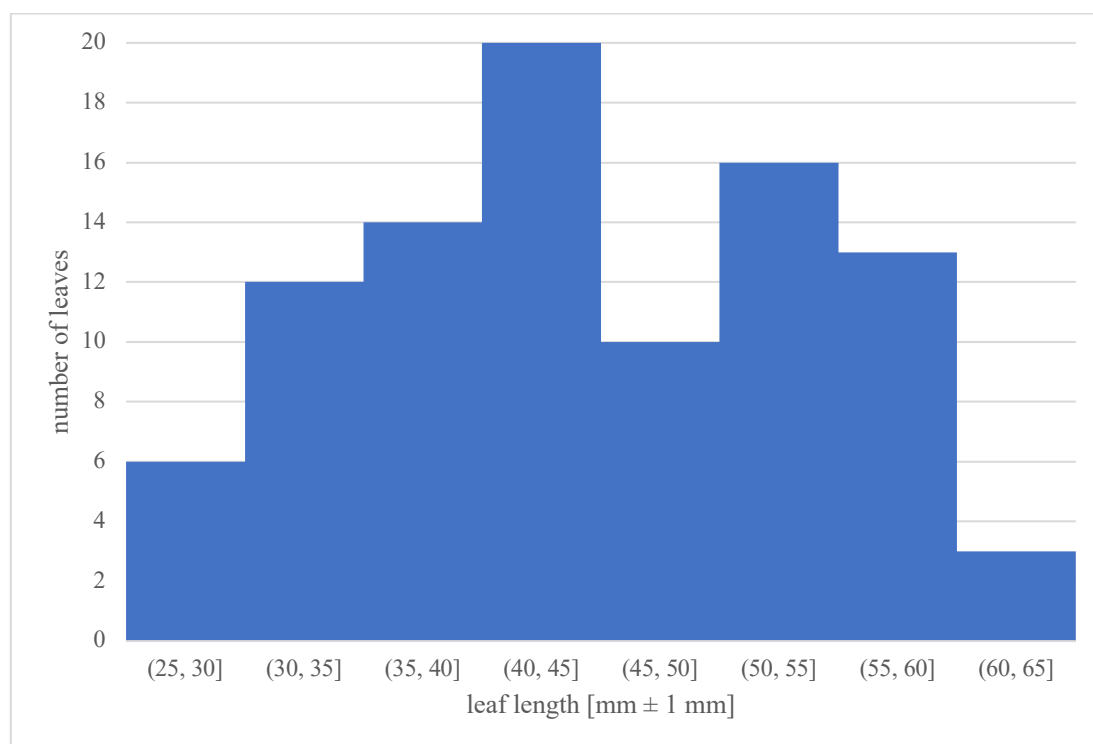
Graph 8: number of leaves within a certain leaf length at 2.00 g ± 0.05 g Jade Dragon Wings organic tea /100 cm<sup>3</sup> ± 5 cm<sup>3</sup> distilled water.



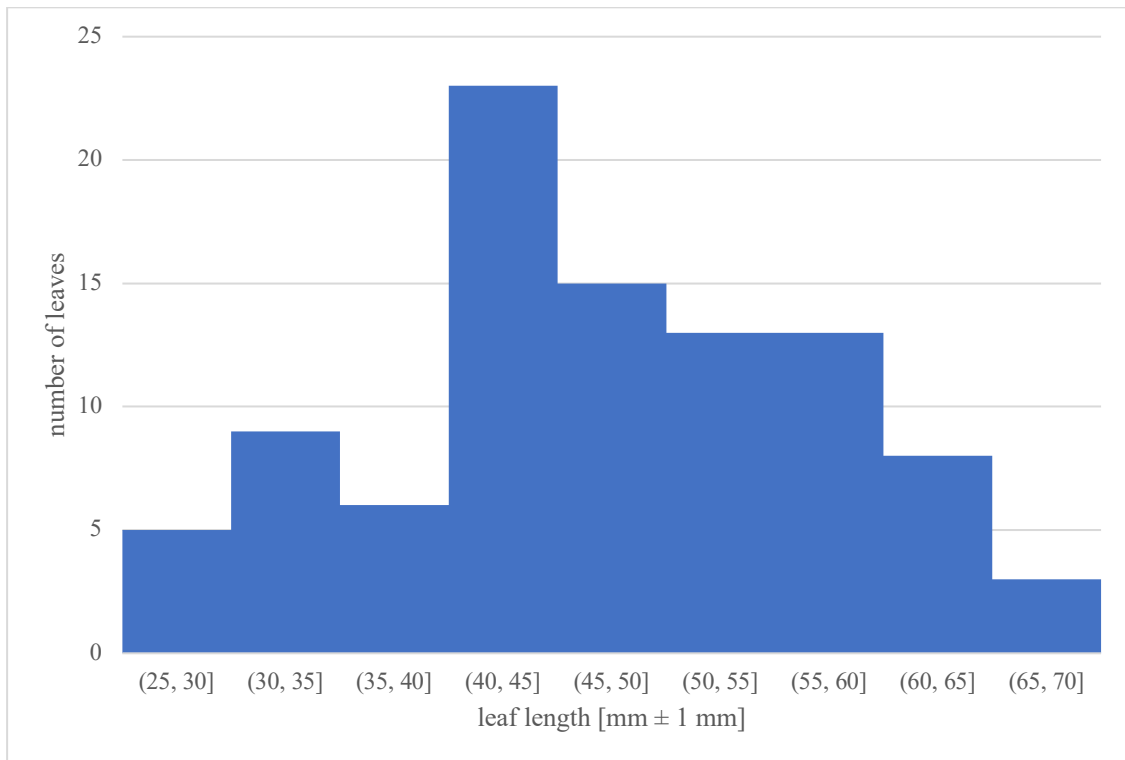
Graph 9: number of leaves within a certain leaf length at  $4.00 \text{ g} \pm 0.05 \text{ g}$  Jade Dragon Wings organic tea /  $100 \text{ cm}^3 \pm 5 \text{ cm}^3$  distilled water.



Graph 10: number of leaves within a certain leaf length at  $6.00 \text{ g} \pm 0.05 \text{ g}$  Jade Dragon Wings organic tea /  $100 \text{ cm}^3 \pm 5 \text{ cm}^3$  distilled water.



Graph 11: number of leaves within a certain leaf length at  $8.00 \text{ g} \pm 0.05 \text{ g}$  Jade Dragon Wings organic tea /  $100 \text{ cm}^3 \pm 5 \text{ cm}^3$  distilled water.



Graph 12: number of leaves within a certain leaf length at  $10.00 \text{ g} \pm 0.05 \text{ g}$  Jade Dragon Wings organic tea /  $100 \text{ cm}^3 \pm 5 \text{ cm}^3$  distilled water.

