

**DIFFERENT POTTING MEDIA AND FREQUENCY OF IRRIGATION OF  
DESERT ROSE (*Adenium obesum*) AT VEGETATIVE STAGE**

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## **BIOGRAPHICAL SKETCH**

The author was born at Baranggay Poblacion, Magallanes, Agusan Del Norte on January 21, 1999. She is the eldest among the two children of Mr. Ronaldo T. Valdez and Mrs. Sarah B. Valdez.

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During her college days, she overcome a lot of difficulties and challenges because of her trust in God and the never ending support of her family, love one, and friends.

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## TABLE OF CONTENTS

	PAGE
LIST OF TABLES	viii
LIST OF FIGURES	ix
LIST OF APPENDIX TABLES	x
LIST OF APPENDIX FIGURES	xvii
ABSTRACT	xviii
INTRODUCTION	1
Background of the Study	1
Statement of the Problem	2
Importance of the Study	3
Objectives of the Study	3
Time and Place of the Study	3
REVIEW OF RELATED LITERATURE	4
Description of Desert Rose	4
Medicinal Uses of Desert Rose	4
Propagation of Desert Rose	5
Climatic Requirement of Desert Rose	5
Substrate for Ornamental Crop Production	6
Water Management for <i>Adenium</i> Production	7
Effect of Different Substrate on the Growth and Flowering of <i>Adenium</i>	7
Growth Stages of <i>Adenium</i>	8
METHODOLOGY	9
Variety Used	9
Treatments and Experimental Design	9
Preparation of Potting Media	10
Water Management for <i>Adenium</i> Production	10
Pest Management	10
Characteristics of Potting Media	11
Data Gathered	12

Statistical Analysis	14
RESULTS AND DISCUSSION	15
Climatic Condition	15
Growth Parameters of Desert rose	17
Days to first shoot appearance	17
Plant height	18
Number of leaves	19
Leaf chlorophyll content	22
Caudex length	22
Caudex diameter	23
Plant fresh weight	24
Plant dry weight	26
Number of Roots, Taproot Length and Root Dry Weight	27
Water used efficiency	30
SUMMARY, CONCLUSION AND RECOMMENDATION	32
LITERATURE CITED	33
APPENDICES	35

## LIST OF TABLES

TABLE		PAGE
1	Days to first shoot appearance of desert rose after transplanting as affected by potting media and frequency of irrigation	17
2	Plant height (cm) of desert rose after 10 weeks as affected by potting media and frequency of irrigation	18
3	Number of leaves of desert rose after 10 weeks as affected by potting media and frequency of irrigation	19
4	Leaf chlorophyll content of desert rose at tenth week after transplanting as affected by potting media and frequency of irrigation	22
5	Caudex length (cm) of desert rose at tenth week after transplanting as affected by potting media and frequency of irrigation	23
6	Caudex diameter (mm) of desert rose after 10 weeks as affected by potting media and frequency of irrigation	24
7	Plant fresh weight (g) of desert rose 10 weeks after transplanting as affected by potting media and frequency of irrigation.	25
8	Plant fresh weight (g) of desert rose 10 weeks after transplanting as affected by potting media and frequency of irrigation	26
9	Plant dry weight of desert rose 10 weeks after transplanting as affected by potting media and frequency of irrigation	27
10	Number of roots, Taproot length and root dry weight of desert rose as affected by potting media and frequency of irrigation.	28
11	Water use efficiency (g/L) of desert rose after the study as affected by potting media and frequency of irrigation	30

## LIST OF FIGURES

FIGURE		PAGE
1	The daily agro-climatic condition of the area from the month of March 2019 to May 2019	16
2	Plant height (cm) of desert rose after 10 weeks as affected by potting media and frequency of irrigation	20
3	Number of leaves of desert rose after 10 weeks as affected by potting media and frequency of irrigation.	21
4	Caudex diameter (mm) of desert rose after 10 weeks as affected by potting media and frequency of irrigation	25

## LIST OF APPENDIX TABLES

APPENDIX TABLE		PAGE
1	Budget requirement for the establishment of improvised green house and other materials	36
2	Minimum and maximum temperature of the area from the month of March 2019 to May 2019.	37
3	Rainfall and sunshine duration of the area from the month of March 2019 to May 2019.	38
4	Plant height summary at 1 to 5 weeks of <i>Adenium</i> as affected by different potting media and frequency of irrigation	39
5	Plant height summary at 6 to 7 weeks of <i>Adenium</i> as affected by different potting media and frequency of irrigation	40
6	Number of leaves summary at 1 to 5 weeks of <i>Adenium</i> as affected by different potting media and frequency of irrigation	41
7	Number of leaves summary at 6 to 10 weeks of <i>Adenium</i> as affected by different potting media and frequency of irrigation	42
8	Diameter of caudex summary at 1 to 5 weeks of <i>Adenium</i> as affected by different potting media and frequency of irrigation	43
9	Diameter of caudex summary at 6 to 10 weeks of <i>Adenium</i> as affected by different potting media and frequency of irrigation	44
10	Length of caudex summary at 1 to 5 weeks of <i>Adenium</i> as affected by different potting media and frequency of irrigation	45
11	Length of caudex summary at 6 to 10 weeks of <i>Adenium</i> as affected by different potting media and frequency of irrigation	46

12	Leaf chlorophyll content summary at 1 to 5 weeks of <i>Adenium</i> as affected by different potting media and frequency of irrigation	47
13	Moisture content of the potting media (dry and wet basis).	48
14	Analysis of variance on days to first shoot appearance per plant of <i>Adenium</i> after transplanting as affected by different potting media and frequency of irrigation	48
15	Analysis of variance on plant height of <i>Adenium</i> at first week after transplanting as affected by different potting media and frequency of irrigation	48
16	Analysis of variance on plant height of <i>Adenium</i> at second week after transplanting as affected by different potting media and frequency of irrigation	49
17	Analysis of variance on plant height of <i>Adenium</i> at third week after transplanting as affected by different potting media and frequency of irrigation	49
18	Analysis of variance on plant height of <i>Adenium</i> at fourth week after transplanting as affected by different potting media and frequency of irrigation	49
19	Analysis of variance on plant height of <i>Adenium</i> at fifth week after transplanting as affected by different potting media and frequency of irrigation	50
20	Analysis of variance on plant height of <i>Adenium</i> at sixth week after transplanting as affected by different potting media and frequency of irrigation	50
21	Analysis of variance on plant height of <i>Adenium</i> at seventh weeks after transplanting as affected by different potting media and frequency of irrigation	50
22	Analysis of variance on plant height of <i>Adenium</i> at eighth week after transplanting as affected by different potting media and frequency of irrigation	51

23	Analysis of variance on plant height of <i>Adenium</i> at ninth week after transplanting as affected by different potting media and frequency of irrigation	51
24	Analysis of variance on plant height of <i>Adenium</i> at tenth week after transplanting as affected by different potting media and frequency of irrigation	51
25	Analysis of variance on number of leaves per plant of <i>Adenium</i> at first week after transplanting as affected by different potting media and frequency of irrigation	52
26	Analysis of variance on number of leaves per plant of <i>Adenium</i> at second week after transplanting as affected by different potting media and frequency of irrigation	52
27	Analysis of variance on number of leaves per plant of <i>Adenium</i> at third week after transplanting as affected by different potting media and frequency of irrigation	52
28	Analysis of variance on number of leaves per plant of <i>Adenium</i> at fourth week after transplanting as affected by different potting media and frequency of irrigation	53
29	Analysis of variance on number of leaves per plant of <i>Adenium</i> at fifth week after transplanting as affected by different potting media and frequency of irrigation	53
30	Analysis of variance on number of leaves per plant of <i>Adenium</i> at sixth week after transplanting as affected by different potting media and frequency of irrigation	53
31	Analysis of variance on number of leaves per plant of <i>Adenium</i> at seventh week after transplanting as affected by different potting media and frequency of irrigation	54
32	Analysis of variance on number of leaves per plant of <i>Adenium</i> at eighth week after transplanting as affected by different potting media and frequency of irrigation	54
33	Analysis of variance on number of leaves per plant of <i>Adenium</i> at ninth week after transplanting as affected by different potting media and frequency of irrigation	54

23	Analysis of variance on plant height of <i>Adenium</i> at ninth week after transplanting as affected by different potting media and frequency of irrigation	51
24	Analysis of variance on plant height of <i>Adenium</i> at tenth week after transplanting as affected by different potting media and frequency of irrigation	51
25	Analysis of variance on number of leaves per plant of <i>Adenium</i> at first week after transplanting as affected by different potting media and frequency of irrigation	52
26	Analysis of variance on number of leaves per plant of <i>Adenium</i> at second week after transplanting as affected by different potting media and frequency of irrigation	52
27	Analysis of variance on number of leaves per plant of <i>Adenium</i> at third week after transplanting as affected by different potting media and frequency of irrigation	52
28	Analysis of variance on number of leaves per plant of <i>Adenium</i> at fourth week after transplanting as affected by different potting media and frequency of irrigation	53
29	Analysis of variance on number of leaves per plant of <i>Adenium</i> at fifth week after transplanting as affected by different potting media and frequency of irrigation	53
30	Analysis of variance on number of leaves per plant of <i>Adenium</i> at sixth week after transplanting as affected by different potting media and frequency of irrigation	53
31	Analysis of variance on number of leaves per plant of <i>Adenium</i> at seventh week after transplanting as affected by different potting media and frequency of irrigation	54
32	Analysis of variance on number of leaves per plant of <i>Adenium</i> at eighth week after transplanting as affected by different potting media and frequency of irrigation	54
33	Analysis of variance on number of leaves per plant of <i>Adenium</i> at ninth week after transplanting as affected by different potting media and frequency of irrigation	54

34	Analysis of variance on number of leaves per plant of <i>Adenium</i> at tenth week after transplanting as affected by different potting media and frequency of irrigation	55
35	Analysis of variance on leaf chlorophyll content per plant of <i>Adenium</i> at second week after transplanting as affected by different potting media and frequency of irrigation	55
36	Analysis of variance on leaf chlorophyll content per plant of <i>Adenium</i> at fourth week after transplanting as affected by different potting media and frequency of irrigation	55
37	Analysis of variance on leaf chlorophyll content per plant of <i>Adenium</i> at sixth week after transplanting as affected by different potting media and frequency of irrigation	56
38	Analysis of variance on leaf chlorophyll content per plant of <i>Adenium</i> at eighth week after transplanting as affected by different potting media and frequency of irrigation	56
39	Analysis of variance on leaf chlorophyll content per plant of <i>Adenium</i> at tenth week after transplanting as affected by different potting media and frequency of irrigation	56
40	Analysis of variance on caudex length per plant of <i>Adenium</i> at first week after transplanting as affected by different potting media and frequency of irrigation	57
41	Analysis of variance on caudex length per plant of <i>Adenium</i> at second week after transplanting as affected by different potting media and frequency of irrigation	57
42	Analysis of variance on caudex length per plant of <i>Adenium</i> at third week after transplanting as affected by different potting media and frequency of irrigation	57
43	Analysis of variance on caudex length per plant of <i>Adenium</i> at fourth week after transplanting as affected by different potting media and frequency of irrigation	58
44	Analysis of variance on caudex length per plant of <i>Adenium</i> at fifth week after transplanting as affected by different potting media and frequency of irrigation.	58

45	Analysis of variance on caudex length per plant of <i>Adenium</i> at sixth week after transplanting as affected by different potting media and frequency of irrigation	58
46	Analysis of variance on caudex length per plant of <i>Adenium</i> at seventh week after transplanting as affected by different potting media and frequency of irrigation	59
47	Analysis of variance on caudex length per plant of <i>Adenium</i> at eighth week after transplanting as affected by different potting media and frequency of irrigation	59
48	Analysis of variance on caudex length per plant of <i>Adenium</i> at ninth week after transplanting as affected by different potting media and frequency of irrigation	59
49	Analysis of variance on caudex length per plant of <i>Adenium</i> at tenth week after transplanting as affected by different potting media and frequency of irrigation	60
50	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at first week after transplanting as affected by different potting media and frequency of irrigation	60
51	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at second week after transplanting as affected by different potting media and frequency of irrigation	60
52	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at third week after transplanting as affected by different potting media and frequency of irrigation	61
53	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at fourth week after transplanting as affected by different potting media and frequency of irrigation.	61
54	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at fifth week after transplanting as affected by different potting media and frequency of irrigation	61
55	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at sixth week after transplanting as affected by different potting media and frequency of irrigation.	62

56	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at seventh week after transplanting as affected by different potting media and frequency of irrigation	62
57	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at eighth week after transplanting as affected by different potting media and frequency of irrigation	62
58	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at ninth week after transplanting as affected by different potting media and frequency of irrigation	63
59	Analysis of variance on diameter of caudex per plant of <i>Adenium</i> at tenth week after transplanting as affected by different potting media and frequency of irrigation	63
60	Analysis of variance on plant fresh weight of <i>Adenium</i> before transplanting as affected by different potting media and frequency of irrigation	63
61	Analysis of variance on plant fresh weight of <i>Adenium</i> at 10 weeks after transplanting as affected by different potting media and frequency of irrigation	64
62	Analysis of variance on plant dry weight of <i>Adenium</i> at 10 weeks after transplanting as affected by different potting media and frequency of irrigation	64
63	Analysis of variance on number of roots per sample plant of <i>Adenium</i> before transplanting as affected by different potting media and frequency of irrigation	64
64	Analysis of variance on number of roots per sample plant of <i>Adenium</i> after ten weeks as affected by different potting media and frequency of irrigation	65
65	Analysis of variance on taproot length per sample plant of <i>Adenium</i> before transplanting as affected by different potting media and frequency of irrigation	65
66	Analysis of variance on taproot length per sample plant of <i>Adenium</i> after ten weeks as affected by different potting media and frequency of irrigation	65

67	Analysis of variance on root dry weight per sample plant of <i>Adenium</i> after ten weeks as affected by different potting media and frequency of irrigation	66
68	Analysis of variance on water use efficiency of <i>Adenium</i> at tenth week after transplanting as affected by different potting media and frequency of irrigation	67

## LIST OF APPENDIX FIGURES

APPENDIX FIGURE	PAGE
1 Preparation of Potting Media	68
2 Pot used in measuring the volume of substrates.	68
3 <i>Adenium</i> seedlings	69
4 Improvise Greenhouse without cover	70
5 Improvise Greenhouse with cover	70
6 Spider mites observed in Desert rose	71
7 Oven dried <i>Adenium</i> applied with sand as potting media	72
8 Oven dried <i>Adenium</i> applied with rice hull as potting media	73
9 Oven dried <i>Adenium</i> applied with sawdust as potting media	74
10 Oven dried <i>Adenium</i> applied with rice hull + sand as potting media	75
11 Oven dried <i>Adenium</i> applied with sawdust + sand as potting media	76
12 Oven dried <i>Adenium</i> applied with rice hull + sawdust as potting media	77
13 Oven dried roots of <i>Adenium</i> with sand as potting media	78
14 Oven dried roots of <i>Adenium</i> with rice hull as potting media	79
15 Oven dried roots of <i>Adenium</i> with sawdust as potting media	80
16 Oven dried roots of <i>Adenium</i> with rice hull + sand as potting media	81
17 Oven dried roots of <i>Adenium</i> with sawdust + sand as potting media	82
18 Oven dried roots of <i>Adenium</i> with rice hull + sawdust as potting media	83

## ABSTRACT

**VALDEZ, ROSALYN B.**, Department of Crop Science, College of Agriculture, Central Luzon, State University, Science City of Muñoz, Nueva Ecija, Philippines, **May 27, 2019**, **DIFFERENT POTTING MEDIA AND FREQUENCY OF IRRIGATION OF DESERT ROSE (*Adenium obesum*) AT VEGETATIVE STAGE**

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Unsuitable growing media and frequent occurrence of rainfall causes rotting of *Adenium* during vegetative stage. This study aimed to determine the effect of different potting media and frequency of irrigation in *Adenium* seedlings. Potting media that were used are sand, rice hull, sawdust, rice hull + sand, sawdust + sand, rice hull + sawdust while frequency of irrigation was twice, thrice and four times a week.

Result showed that among the different potting media, sand had increased height and caudex diameter of *Adenium* seedlings. Frequency of irrigation on the other hand revealed that twice a week watering had produced heaviest plant dry weight and final fresh weight and also increased number of leaves while increasing frequency of watering (four times) shortened days to first shoot appearance. No significant differences were observed in the length of taproot, number of roots, root dry weight, leaf chlorophyll content, initial plant fresh weight and water used efficiency.

Keywords: *Adenium*, dessert rose, caudex, growing media

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