

Awareness and Knowledge of the Sustainable Development Goals Among Elderly People of Balangir Town, Odisha

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ABSTRACT

The sustainable development usually means the development of economic growth without harming natural resource. The survey is conducted on urban area of Balangir taking 15 elderly people asking each of them about 70 questions about how much they aware with the word sustainable development and it's impact on today's generation with growing population. Then the individual response is recorded which include both positive and negative response is also included. Then a single pie chart for each people is obtained according to their responsibility.

Keywords- Balangir, Sustainable development, Environment, Economic growth.

I. INTRODUCTION

Sustainability is a term used to refer the enlargement of economic development that is manage without exhaustion of natural resources. It is crucial for challenge faced by flora and fauna such as changing climate, water depletion, raising of hunger, inequality but the sustainable development can eradicate this by creating social growth, balance in the ecological development and economical process. Beside governmental policy an individual has its own role to play on sustainable development. By making choice on our own activities like how we consume the resource like less food wasting, less water use, eradication of toxic products that are harmful to the environment, purchasing energy efficient home appliances, creating new job sector etc. People need resource from Food, water, shelter which protect from various unfavorable condition. Both renewable and non - renewable sources are used to produce by people. Coal, nuclear energy, fossil fuel and natural gases are non-renewable where is hydrological, solar and wind energy are renewable sources. Renewable resources are usually last for a longer period of time and non-renewable sources if carelessly managed will be used up. The need to conserve

nature often messed with other requirements. For example, in a wooded area may be a good place to build a farm and at that time an industry want to harvest timber for wooden materials. In the meantime, a business wants to build a mall or building at the same place. All these needs are valid at a point but sometimes the plant and animal that live in the area are sufferer.

Awareness about sustainable development among the people is most important in this context several researchers conduct survey among the peoples [1-5]. The main objectives of study were

1. Understanding different kinds of habit of elderly people of urban area of Bolangir.
2. Role of environment towards elderly people/ senior citizen.
3. Awareness among elderly people regarding environment

II. METHODOLOGY

A survey of 15 elderly person was done with the following questionnaire

Studied Area- Balangir, Odisha

1. Do you think our environment is in a better condition?

2. Do you know about 3Rs (reduce, reuse and recycle)?
3. Do you often separate waste before putting it into the dustbin?
4. Are you aware about ban of plastic bags?
5. Are you using solar panel for electricity?
6. Is reduction in water consumption necessary for sustainable development?
7. Is preserving nature not necessary for environmental sustainability?
8. Are you agree that reduction of waste necessary for healthy environment?
9. Should we switch renewable resource for better environment?
10. Do you think it is necessary to educate people for environmental sustainability?
11. Is there is any need of strict laws and regulation to protect the environment?
12. Does government providing financial aid for better environment?
13. Do you think penalty should be taken from people who pollute environment (land, air and water)?
14. Do you turn off light or any kind of electrical gadget when you live the home?
15. Do you think increasing population in Balangir is the main reason of pollution?
16. Do you have any idea about global warming?
17. Do you think electric vehicles are better option for good environment than petrol/diesel vehicles?
18. Have you ever participate on any kind of awareness programme?
19. Do you think municipality is actively participating in SWACHHA BHARAT ABHIYAN?
20. Is climate change happening mostly because of human activity? (Burning fossil fuel/deforestation)
21. Do you use vegetable waste as compost?
22. Are you planting tree on regular basis?
23. Do you think work places, school etc should try to use solar cell?
24. Do you prefer walking instead of taking motor cycle for short distance?
25. Is educating people beneficial for creating a better environment?
26. Are you aware that using CFL/LED rather than halogen bulbs will reduce electricity bills?
27. Do you notice any changes in your locality after implementation of SWACHHA BHARAT ABHIYAN?
28. Do you know about government environmental laws?
29. Do you know about algal bloom?
30. Do you think developing technologies can help in reducing pollution?
31. Do you agree animal and human should coexist for better environment?
32. Do you teach your children about the importance of plant and environment?
33. Do you agree decrease in species diversity is due to habitat destruction by human?
34. Do you know domestic and municipal waste are main cause of soil pollution?
35. Do you agree that increasing use of pesticide is the major cause of water pollution?
36. Do you know use of AC and Refrigerator are main cause of global warming?
37. Do you think various sanctuaries, zoological park Etc contribute in wildlife protection?
38. Do you know plantation of tree can help to reduce noise pollution?
39. Do you think individual have the biggest responsibility for a better environment?
40. Do you think green roof can be constructed having vegetation to reduce urban heat?
41. Do you use products that are helpful for environment?
42. In public place do you use dustbin or throw trash here and there?
43. Do you know about ozone layer depletion?
44. Do you have rain water harvesting system at home?
45. Do you know about what is carbon footprint?
46. Do you aware about impact of mobile network on bird population?
47. Do burn sanitary napkins after use?
48. Do you what is organic farming?
49. Do you ever notice environmental change since your childhood to till the age?
50. Do you know about benefit of avenue trees?
51. Do you have air purifier indoor plant at your home?
52. Do you have a proper drainage system at home?
53. Do you use any type of firecrackers at home?
54. Do you use your discarded vegetables for composting in your garden?
55. Are you using a GOBARGAS PLANT at your home?
56. Do you know about acid rain?
57. Are you trying to minimize your plastic use?
58. Do you know about harmful gases like CFC?
59. Do you ever donate fund to any NGOs working for environmental programme?
60. Do you think environmental problem is a big issue for today's generation?
61. Do you use eco- friendly products?
62. Are you suffering from noise pollution in your area?
63. Do you have chimney at home?
64. Do you ever discuss about climate change and increasing temperature with your colleagues, neighbours or friends.
65. Have you any idea about afforestation or deforestation?
66. Do you ever stop an animal of eating plastic?
67. Do you aware about occupational hazards?
68. Are you aware about sea level raising?
69. Do you use waste plastic jars or glass jar for crafting purpose?
70. Do you know about CNG?

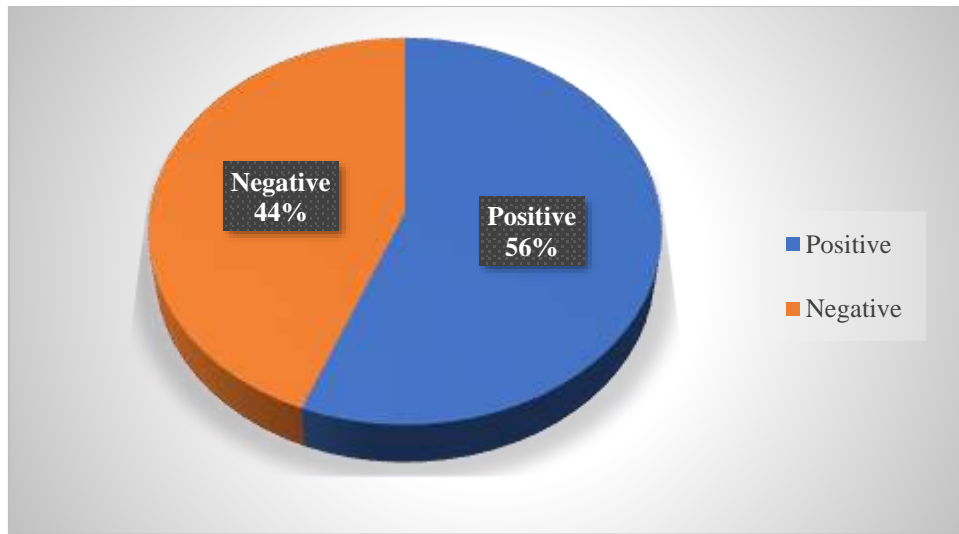
III. HERE YES IS TAKEN AS “1” AND NO AS “0”

QUESTIONS	P-1	P-2	P-3	P-4	P-5	P-6	P-7	P-8	P-9	P-10	P-11	P-12	P-13	P-14	P-15	ΣYES	ΣNO
1	1	0	1	1	1	0	1	0	1	0	0	1	0	0	1	8	7
2	1	1	0	0	1	0	1	1	1	1	1	1	0	0	0	9	6
3	1	0	1	0	0	0	1	1	1	0	0	1	0	0	0	6	9
4	1	0	1	0	1	1	0	0	1	1	1	1	0	0	0	8	7
5	1	1	1	1	0	0	0	1	1	0	0	0	1	0	1	8	7
6	1	0	0	0	0	0	1	0	1	0	1	1	0	1	0	6	9
7	1	1	0	1	1	1	1	1	0	1	0	0	1	0	0	9	6
8	1	1	0	1	0	0	0	0	0	0	1	0	0	1	1	6	9
9	1	0	1	0	1	1	1	1	1	1	0	0	0	1	0	9	6
10	0	1	1	0	0	0	0	1	1	0	1	1	1	1	1	9	6
11	1	1	0	1	1	1	1	0	1	1	0	0	1	0	0	9	6
12	0	0	1	1	0	0	1	1	1	1	1	1	0	0	1	9	6
13	1	1	1	1	1	1	0	1	1	0	0	1	0	1	1	11	4
14	0	1	0	1	0	0	0	0	1	1	1	0	1	1	0	7	8
15	1	0	1	0	0	1	1	1	1	1	0	1	1	0	1	10	5
16	0	1	1	1	0	0	0	1	1	0	1	0	1	1	1	9	6
17	0	0	0	1	1	0	1	1	1	1	0	0	0	0	1	7	8
18	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	12	3
19	1	1	0	1	1	0	1	0	0	1	0	0	0	0	1	7	8
20	0	0	1	1	0	1	1	1	1	0	1	1	1	0	1	10	5
21	1	0	0	1	1	1	0	0	0	1	0	0	1	0	1	7	8
22	0	1	1	0	0	0	1	1	1	0	1	0	1	0	1	8	7
23	1	1	0	1	1	1	1	1	1	1	0	1	0	1	1	12	3
24	0	0	1	0	1	0	0	1	0	0	1	1	1	0	1	7	8
25	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	12	3
26	1	1	0	1	0	1	0	1	1	0	1	1	1	1	1	11	4
27	1	0	1	0	1	0	1	0	1	1	0	1	0	0	1	8	7
28	0	0	0	1	1	1	1	1	0	1	0	1	1	1	0	9	6
29	1	1	1	1	0	0	1	0	1	0	1	1	1	0	1	10	5
30	1	0	0	0	0	1	0	1	0	1	0	0	0	1	1	6	9
31	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	11	4
32	0	0	1	1	1	0	1	1	1	1	0	0	0	0	1	8	7
33	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	11	4
34	0	0	1	1	1	0	1	1	0	0	0	1	0	0	1	7	8
35	1	1	1	0	0	1	1	0	1	0	1	1	1	1	0	10	5
36	0	0	1	1	1	0	0	1	0	1	0	0	0	0	1	6	9
37	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	13	2
38	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	4	11

39	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	11	4
40	1	0	1	0	1	1	1	0	1	0	0	1	0	0	1	8	6
41	0	1	1	1	0	1	0	1	0	0	1	0	1	1	0	8	7
42	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	4	11
43	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	11	4
44	0	1	1	0	1	1	0	0	1	1	0	0	1	1	0	8	7
45	1	0	0	0	0	0	1	1	1	1	1	1	0	1	1	9	6
46	1	0	1	0	1	1	0	0	1	0	1	1	1	0	1	9	6
47	0	1	0	1	0	0	1	1	1	0	0	0	1	0	0	6	9
48	1	0	1	0	1	0	0	0	0	1	0	0	0	1	1	6	9
49	0	1	0	1	0	1	1	1	1	1	1	1	1	0	1	11	4
50	1	0	1	1	1	0	0	0	0	1	0	0	1	0	0	6	9
51	1	1	0	1	0	1	0	1	1	1	1	1	0	0	1	10	5
52	0	1	1	0	1	0	1	0	0	0	0	1	0	1	1	7	8
53	1	0	0	1	0	1	0	1	1	0	0	0	1	0	0	6	9
54	0	1	1	1	1	0	1	0	0	0	1	1	1	0	0	8	7
55	1	0	0	0	0	1	1	1	1	1	0	1	1	1	1	10	5
56	0	1	1	1	1	0	0	0	1	0	0	1	0	0	0	6	9
57	1	0	1	0	1	0	1	1	0	0	1	0	1	1	0	8	7
58	0	1	0	1	0	1	0	0	1	1	1	0	0	0	1	7	8
59	1	1	1	0	1	0	0	0	1	1	1	0	0	1	1	9	6
60	0	0	1	1	1	0	1	0	0	1	0	0	0	0	1	6	9
61	1	1	1	0	0	1	0	0	0	0	0	1	1	0	1	7	8
62	0	0	1	1	1	0	0	1	0	1	0	1	1	0	1	8	7
63	1	1	0	1	1	0	1	0	0	0	0	1	0	1	1	8	7
64	0	1	1	1	1	0	1	0	1	0	1	1	1	0	1	10	5
65	1	0	1	1	0	1	1	1	1	1	0	0	1	0	1	10	5
66	0	1	0	1	1	0	1	0	1	1	0	0	0	1	1	8	7
67	1	0	1	0	1	0	0	1	0	0	1	1	1	1	0	8	7
68	0	1	1	0	0	1	0	0	1	0	0	1	1	0	1	7	8
69	1	1	0	1	0	0	1	1	1	1	0	0	0	0	1	8	7
70	0	1	1	0	1	0	0	0	0	0	1	1	1	1	1	8	7
ΣYES	43	38	46	40	38	32	39	37	45	36	33	40	37	31	50	585	
ΣNO	27	32	24	30	32	38	31	33	25	34	37	30	33	39	20		465

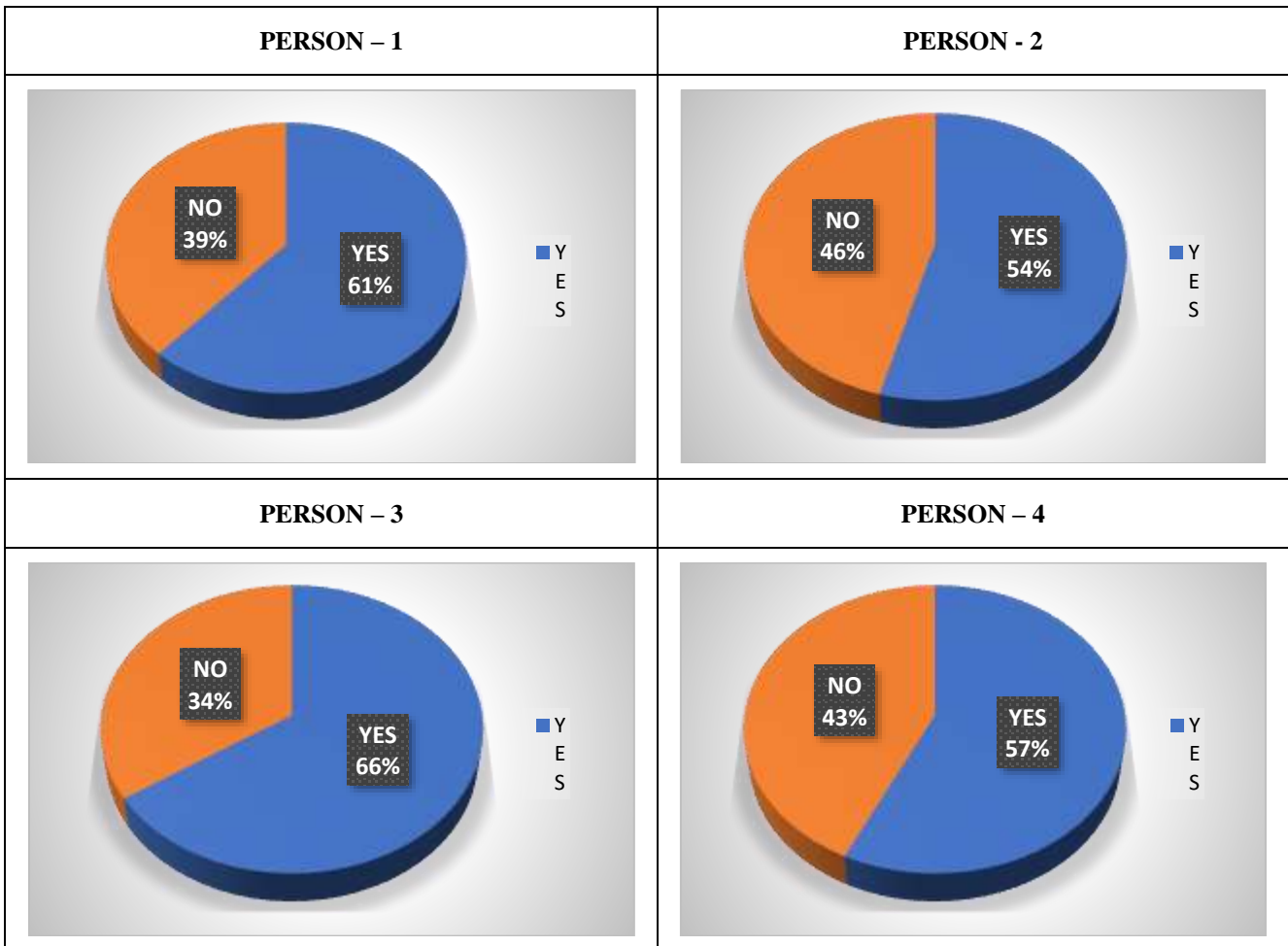
IV. RESULT AND ANALYSIS

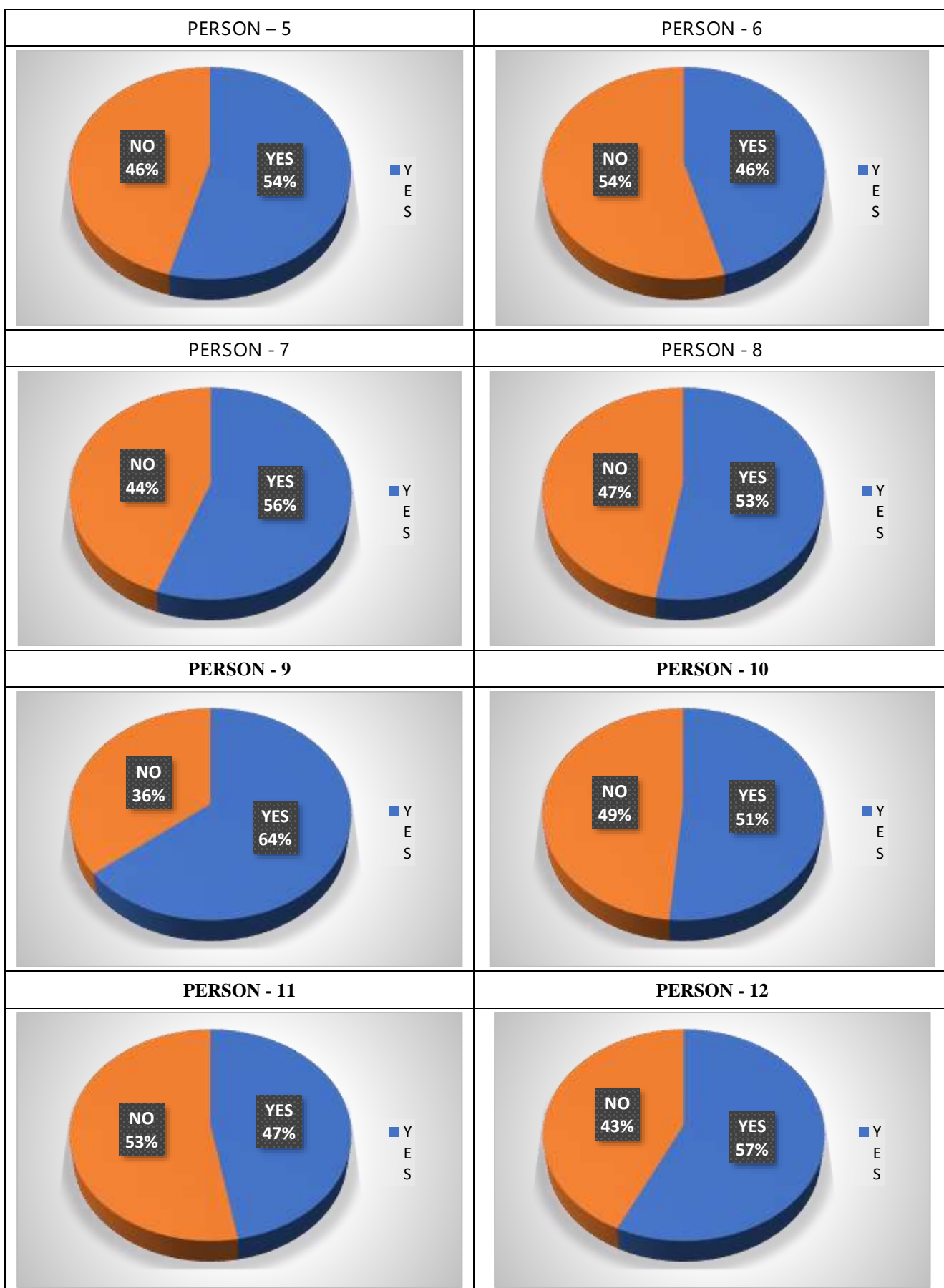
SI NO.		TYPE OF RESPONSE	NO. OF RESPONSE	PERCENTAGE
1	OPINION OF PEOPLE	POSITIVE	585	55.71
		NEGATIVE	465	44.28
2			1050	

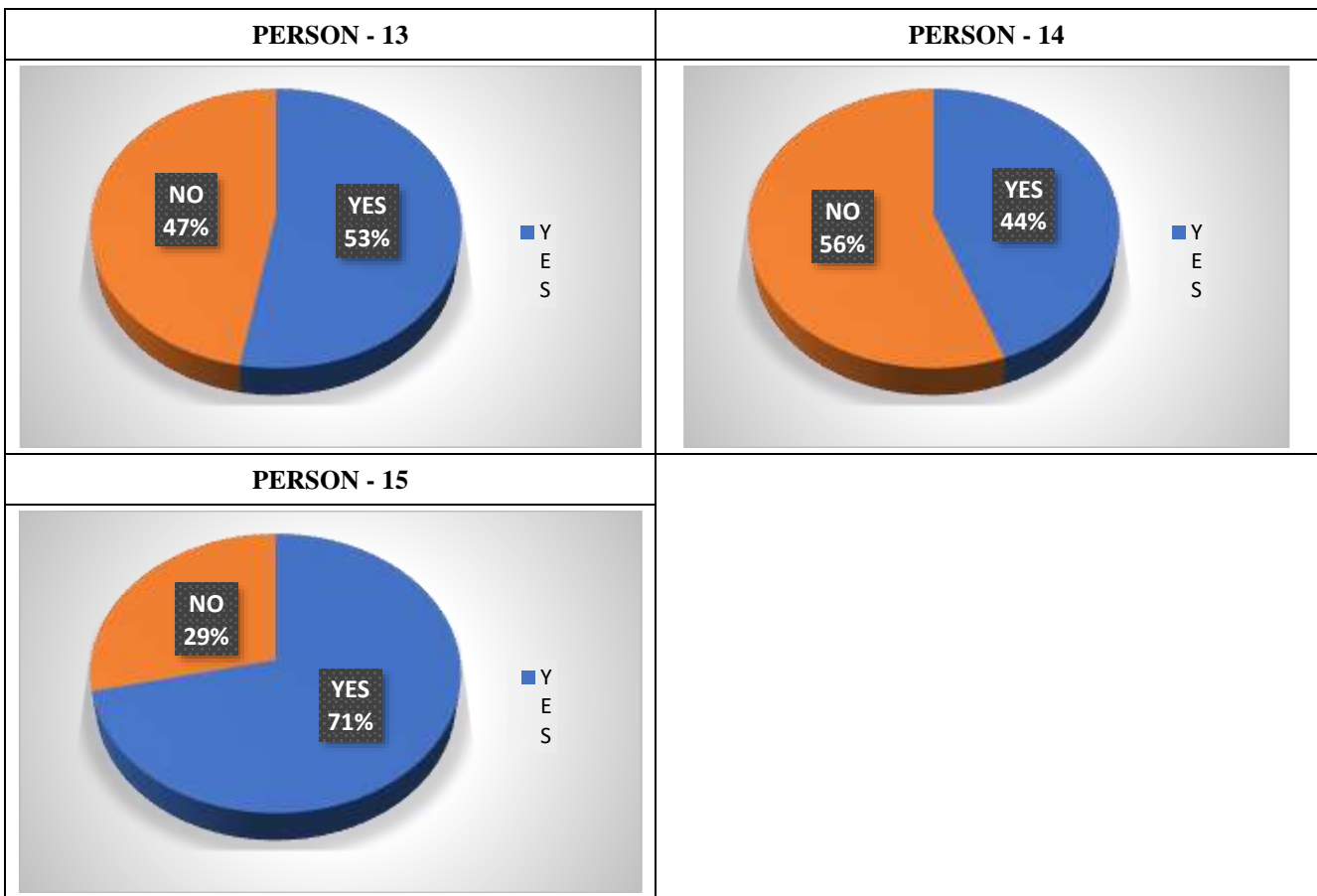


This figure represents the positive and negative responses of 15 elderly persons from Balangir out of which the total positive response (in percentage) is 56 and the negative response is 44.

v. RESPONSE OF INDIVIDUAL







VI. CONCLUSION

From the survey conducted in the Urban area of Balangir district, It is concluded that people are aware about the sustainable development and its undergone activities but they also need to much more aware about saving resources for future generation an individual show positive reaction to some question and negative to some question they also requested to reduce the product of harmful chemical, aware to use ecofriendly product and also try to minimum use of plastics and to attain environmental awareness programmer.

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