

Content

List of tables and figures	5
INTRODUCTION.....	7
1 LITERATURE REWIEV.....	9
1.1 Current state of meat and poultry production in the world and Slovak republic.....	9
1.2 Breeding and nutrition of broiler chickens	12
1.2.1 Breeding conditions of broiler chickens	12
1.2.2 Nutrition of broiler chickens.....	15
1.2.3 Characterization of Ross 308 hybrid combination.....	21
1.3 Formation, composition and use of chicken fat.....	22
1.3.1 Adjusting of chicken fat composition.....	28
1.4 Antibiotic resistance in poultry industry	31
1.5 Feed supplements in poultry nutrition.....	32
1.5.1 Feed probiotics.....	33
1.5.2 Bee pollen	38
1.5.3 Propolis	45
1.5.4 Plant residues and by-products	50
2 AIM OF THE WORK	63
3 MATERIAL AND METHODS	64
3.1 Object of research.....	64
3.2 Technical realization of the experiments.....	64
3.2.1 1 st Experiment	64
3.2.2 2 nd Experiment	66
3.2.3 3 rd Experiment.....	68
3.2.4 4 th Experiment.....	70
3.2.5 5 th Experiment.....	72
3.2.6 6 th Experiment.....	73
3.2.7 7 th Experiment.....	75
3.2.8 8 th Experiment.....	77
3.2.9 9 th Experiment.....	80
3.2.10 10 th Experiment.....	83
3.2.11 11 th Experiment.....	85

3.3 Monitored indicators of the experiment	86
3.4 Statistical methods.....	86
4 RESULTS AND DISCUSSION	87
5 CONCLUSION.....	99
Abstrakt v cudzom jazyku.....	101
Abstrakt v slovenskom jazyku	103
Bibliography	105