ISOLATION AND IDENTIFICATION OF CLOSTRIDIUM SPP. FROM SOIL IN PHU TAN AND CHAU PHU DISTRICTS, AN GIANG PROVINCE
Nguyen Thu Tam, Nguyen Duc Hien, Ly Thi Lien Khai

Summary
From January to September 2015, 46 soil samples were collected from rice field that occurred “limberneck” on duck. Microorganism were cultured on blood agar medium and API 20A test used to identify Clostridium spp.. The result showed that, 40/46 (86.96%) samples were positive with Clostridium spp in which 32/40 (80%) were Clostridium colinum, 8/40 (20%) were Clostridium botulinum. The result from antibiotic susceptibility test (with norfloxacin, erythromycin, tetracycline, trimethoprime and penicillin) showed that Clostridium spp. Clostridium colinum and Clostridium botulinum were highly sensitive (100%) to norfloxacin while they were highly resistant (100%) to penicillin and trimethoprim. Clostridium spp. were multiresistant to tetracycline, erythromycin, penicillin, trimethoprim (4.55%).

Key word: Clostridium spp., soil, duck, limberneck.