

**CỘNG HOÀ XÃ HỘI CHỦ NGHĨA VIỆT NAM**  
**Độc lập - Tự do - Hạnh phúc**

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**NEW FINDINGS OF THE DISSERTATION**

**Thesis title:** *“Current status of working conditions and health of female workers at two garment companies in Thai Binh City and the effectiveness of certain intervention measures”*

**Major:** Public health

**Code:** 9720701

**PhD Candidate:** Dang Thi Van Quy

**Scientific Supervisor:**

1. Assoc. Prof. Dr. Nguyen Dang Vung
2. Assoc. Prof. Dr. Ngo Thi Nhu

**Institution:** Thai Binh University of Medicine and Pharmacy

**NEW CONTRIBUTIONS OF THE TOPIC**

- The research results provide a comprehensive overview of the current working conditions of workers at the two garment companies. Most indicators for temperature, humidity, wind speed, and concentrations of CO and CO<sub>2</sub> meet permissible standards. However, only 55.7% of the lighting conditions meet the standard.

- Regarding the health status of female workers at the two companies, the results indicate that common health issues include eye diseases (60.5% and 47.1%); gynecological conditions (41.2% and 45.3%); digestive disorders (26.0% and 12.7%); ear, nose, and throat issues (27.5% and 25.0%); musculoskeletal disorders (23.5% and 21.9%); and surgical conditions (21.1% and 23.5%). Additionally, 13.0% and 14.6% of workers experienced work-related injuries, with 11.3% and 14.5% resulting in reduced mobility as a sequela.

- After the interventions, the incidence of cardiovascular diseases decreased with an effectiveness rate of 58.1%, skin diseases at 75.9%, musculoskeletal disorders at 35%, and ear, nose, and throat issues at 33.0%. The effectiveness of the intervention on knowledge of occupational safety and hygiene showed that 4 out of 5 assessed knowledge indicators for the intervened female workers achieved good levels, which were higher than those in the non-intervention group by 49.9% to 113.4%. The percentage of female workers with good general knowledge before the intervention was 28.2%, which increased to 75.1% after the intervention. The overall effectiveness of the intervention in improving general knowledge among female workers in the intervention group compared to the non-intervention group reached 166.3%.

**Scientific Supervisor**

*Thai Binh, .../11/2024*

**PhD Candidate**

**Assoc. Prof. Dr. Ngo Thi Nhu**

**Dang Thi Van Quy**