

## Self-assessment of Nuclear Security Culture of Radioactive Source Users in BATAN: Survey and Interview

A self-assessment on nuclear security culture of radioactive source users have been conducted by CSCA in Pasar Jumat Nuclear Area, Indonesia, following a trial assessment that was conducted on Februari 2018. There are 5 (five) centers in the area with activities that are mainly using radioactive sources. This activity is based on the BATAN Chairman Directive Letter on April 2018 and currently two methods was performed, namely survey and interview. The CSCA deployed a survey team with 17 members to survey 353 employees. Meanwhile, the interviewer were 12 persons to interview 60 employees. These team members are experienced and well-trained on each method. The survey statements were developed in reference to a model of radioactive source security culture (CRPJO2007). A number of characteristics were selected from management system group, leadership behaviour group and personnel behaviour group within the model. The survey results were analyzed and categorized as follows: statements with highest score, statements with lowest score, and statements that are contradictory. There were also a number of written comments from survey respondents. Some survey results includes: different personnel behaviours in different centers, management system are not well implemented, and different behaviour between management level and staff level. Following the survey, positive hypotheses from highest score statements and negative hypotheses from lowest score statements were then developed. Subsequently, negative hypotheses were used as interview topics within the interview guideline, while positive hypotheses will be assessed by document review method. Some findings from the interview stage includes lack of security SOPs and lack of interaction or team work in problem solving. It is recommended that these findings need to be examine further by document review and observation methods.

### Gender

Male

### State

Indonesia

**Author:** Mr PURNOMO, Bayu (BATAN)

**Co-author:** KHAIRUL, Khairul (National Nuclear Energy Agency)

**Presenter:** Mr PURNOMO, Bayu (BATAN)

**Track Classification:** CC: Nuclear security culture in practice with a focus on sustainability