DISCUSSIONS

The average correct rate for Go trials and average reaction time of Go trials were not different between former drug users and controls, means that former drug users could distinguish the meaning of the cue. Former drug users could recognize the Go cue, which means they also could recognize the NoGo cue. This was accordance with the previous study from Menon et al. (2001), reported that the subjects was categorized to perform the task relatively well if they could distinguish the cue means.

However, the relatively well performance of doing the task in former drug users was limited by their lower correct rate of NoGo trials. This result suggests the difficulty to stop Go response in NoGo trials, indicate their failure of inhibitory response. The result also suggests the inability of former drug users to shift their motor attention from Go response to NoGo response, which cause by the mixing of NoGo cue with Go cue.

During the reversal of cue means phase, former drug users shown higher error rate than controls. Dependence to the old meaning of cue before reversal thought to responsible for this. It suggests the perseveration, made the reducing of correct rate of Go trials, although it was not statistically different. This perseveration shown us the dependence of former drug users to the drugs.

The lower highest level attained in former drug users shown their higher error occurred during the task. This could be explained by the property of the task itself, which require five consecutive correct trials to jump to the next level. In this case, former drug users did more errors.

Our study suggests that less inhibitory control and the perseveration behavior occurred in former drug users. The findings suggest that even the former drug users had abstinent from drugs, they may still have the tendency to initiate the drug abuse. Beside the rehabilitation program, the support from the closest family may help them to stop from drug abusing.

CONCLUSIONS

The less inhibitory control and the perseveration to drug abuse occurred in former drug users. The findings suggest that even the former drug users had abstinent from drugs, they may still have the tendency to initiate the drug abuse. Beside the rehabilitation program, the support from the closest family may help them to stop from drug abusing.

REFERENCES


