CONCLUSION

Theory was the first part of the work. Thesis was started with definition of the process and description of its variety. After that it was clear that we deal with production process and next topic described the general phases of process improvement. As a main key performance indicator was chosen OEE (in some literature it is described as a tool). It was described where it is used, how to calculate OEE, what is it pros and cons, what we have to measure and with what we have to compare OEE value; main parts of overall equipment effectiveness were described separately.

In next topic I described existed methods of data collection from production and method AS Metaprint used. Then were described method that help in choosing the problems have to be solved first of all – Pareto diagram. After that was described "Five whys" method, as a simple and effective in finding the root causes of problems.

Chapter four consists of practice part of the work: started with company overview, product description and description of production processes. It was followed with information about average OEE of previous years. Next steps were: identification of problems using manual downtime information collection, making the Pareto diagrams in case of finding the main problems needed to be solved, finding the root causes of problems mostly appeared and brief proposal of solution. It was calculated, how theoretically OEE will increase in case of successful implementation of solutions.