

THE BAKERY LOOP FOR TOMORROW

**6TH ANNUAL INTERNATIONAL CONFERENCE ON
RIGHTS OF NATURE FOR PEACE AND SUSTAINABLE
DEVELOPMENT - 11 AND 12 DECEMBER 2017,
UNITED NATIONS,
Geneva, Switzerland**

By

**Pathawit Chongsermsirisakul, BSc., MBA
Chulalongkorn University, Author**

From

**Faculty of Food Business Management
Panyapiwat Institute of Management, Thailand**



United Natio

THE BAKERY LOOP FOR TOMORROW
by Pathawit Chongsermsirisakul
Panyapiwat Institute of Management,
THAILAND

6TH ANNUAL INTERNATIONAL CONFERENCE ON RIGHTS OF
NATURE FOR PEACE AND SUSTAINABLE DEVELOPMENT - 11
AND 12 DECEMBER 2017, UNITED NATIONS,
Geneva, Switzerland



This is the course, which has designed to meet SDG 2030 from Payapiwat Institute of Management-Thailand, which has transformed the SDG 2030 mission into actions for the environmental, on item 14 “Life Below water”, to protect the rights of animals to live well under the water and friendly with ecological.

In order to create and inspire student to realize in the environmental impact in the bakery operation to integrating Rights of Nature with "The bakery loop for tomorrow"

Background of Problem

THE BAKERY LOOP FOR TOMORROW
by Pathawit Chongsermsirisakul
Panyapiwat Institute, THAILAND

6TH ANNUAL INTERNATIONAL CONFERENCE ON RIGHTS OF
NATURE FOR PEACE AND SUSTAINABLE DEVELOPMENT - 11
Raw Materials AND 12 DECEMBER 2017, UNITED NATIONS,
Geneva, Switzerland



This is the loop of bakery business, which are focus into bakery production process , which has been combined 7 functions within the loop. Each function has design to related with SDG 2030 concepts in both technique and practice in bakery professional business operation, which will be the contributions of this specific loops.

The Loop of Bakery Business - Framework

THE BAKERY LOOP FOR TOMORROW
by Pathawit Chongsermsirisakul
Panyapiwat Institute of Management,
THAILAND

6TH ANNUAL INTERNATIONAL CONFERENCE ON RIGHTS OF
NATURE FOR PEACE AND SUSTAINABLE DEVELOPMENT - 11
AND 12 DECEMBER 2017, UNITED NATIONS,
Geneva, Switzerland

The bakery loop for tomorrow
produced the contribution as
“ECO Krathong” to test the concepts
of SDG 14

GOAL 14

CONSERVE AND SUSTAINABLY USE THE
OCEANS, SEAS AND MARINE RESOURCES FOR
SUSTAINABLE DEVELOPMENT

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgsproposal



THE BAKERY LOOP FOR TOMORROW
by Pathawit Chongsermsirisakul
Panyapiwat Institute of Management,
THAILAND

6TH ANNUAL INTERNATIONAL CONFERENCE ON RIGHTS OF
NATURE FOR PEACE AND SUSTAINABLE DEVELOPMENT - 11
AND 12 DECEMBER 2017, UNITED NATIONS,
Geneva, Switzerland



Research Experimental
By Traditional



THE BAKERY LOOP FOR TOMORROW
by Pathawit Chongsermsirisakul
Panyapiwat Institute of Management,
THAILAND

6TH ANNUAL INTERNATIONAL CONFERENCE ON RIGHTS OF
NATURE FOR PEACE AND SUSTAINABLE DEVELOPMENT - 11
AND 12 DECEMBER 2017, UNITED NATIONS,
Geneva, Switzerland

Research Experimental

By Periods



Biological Oxygen Demand and Dissolved Oxygen Values

The research has operated to study the difference of water quality as BOD (Biological Oxygen Demand) and DO (Dissolved Oxygen) value that proved by Laboratory .

One-Sample Statistics				
	N	Mean	Std. Deviation	Std. Error Mean
Post testBOD ₁	319	1.49	0.50	0.02
Post testBOD ₂	319	1.71	0.45	0.02
Post testBOD ₃	319	1.94	0.23	0.01

Table 1: Mean of Posttest BOD₃ level has the maximum of average score = 1.94 with SD = 0.23 and Posttest BOD₁ level has the minimum average score = 1.49 with SD = 0.50

One-Sample Statistics				
	N	Mean	Std. Deviation	Std. Error Mean
PosttestDO ₁	319	1.52	0.50	0.02
PosttestDO ₂	319	1.74	0.43	0.02
PosttestDO ₃	319	1.92	0.23	0.01

Table2: Mean of Post test DO 1 level has the maximum of average score = 1.92 with SD = 0.52 and Post test DO 3 level has the minimum average score = 1.52 with SD = 0.23

Research Result : Statistic Value



THE BAKERY LOOP FOR TOMORROW
 by Pathawit Chongsermsirisakul
 Panyapiwat Institute of Management,
 THAILAND

6TH ANNUAL INTERNATIONAL CONFERENCE ON RIGHTS OF
 NATURE FOR PEACE AND SUSTAINABLE DEVELOPMENT - 11
 AND 12 DECEMBER 2017, UNITED NATIONS,
 Geneva, Switzerland



Conclusion

Therefore the bakery loop for tomorrow is friendly ecological and can be optional to practice professional, which has supported the sustainable development goal 2030 : Goal 14 Conserve and sustainably use the oceans, seas and marine resources (River) for sustainable Developments.



Side Researches:

1. Eco Bakery For Friendly Environments In Ecological - Case Study From Thailand, At ISTECC2017, Harvard University, USA
2. Bk @ ECO, the Specific Bakery Management Model for retail and wholesales to survive in online era. At WEI2017, Harvard University, USA
3. Reconstructing retail management in wholesale business in order to survive in online Era – Case study of Bakery business in Thailand. At ABRM2017, University of Oxford, UK