WIO KONIKU

- Gravity **15.9 BLG**
- ABV **---**
- IBU **50**
- SRM **41**
- Style **Black IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.3 liter(s)**
- Total mash volume **28.4 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **5 min**

Mash step by step

- Heat up **21.3 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **72C**
- Sparge using **14.6 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4 kg *(56.3%)*	79 %	6
Grain	Strzegom pszeniczny	1 kg *(14.1%)*	81 %	6
Grain	Strzegom Wiedeński	1 kg *(14.1%)*	79 %	10
Grain	Caraaroma	0.5 kg *(7%)*	78 %	400
Grain	Strzegom Czekoladowy 1200	0.3 kg *(4.2%)*	68 %	1202
Grain	Strzegom Barwiący	0.3 kg *(4.2%)*	68 %	1300

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Equinox	20 g	25 min	13.1 %
Boil	Mosaic	20 g	25 min	10 %
Boil	Citra	30 g	5 min	12 %
Boil	Mosaic	20 g	5 min	10 %
Whirlpool	Citra	20 g	20 min	12 %
Whirlpool	Mosaic	20 g	20 min	10 %
Dry Hop	Citra	50 g	5 day(s)	12 %
Dry Hop	Mosaic	40 g	5 day(s)	10 %

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-05	Ale	Dry	11 g	Safale