Stefan Vasovic – 5. zadatak (ljusteni furnir)

|  |  |  |
| --- | --- | --- |
| Faza tehnol.operacija | otpada | ostaje |
| Po smeni | godisnje | Po smeni | godisnje |
| % | m3 | m3 | % | m3 | m3 |
| Mehanička priprema | 3,36 | 0,989 | 514,654 | 96,64 | 28,466 | 14802,445 |
| Ljustenje | 17,56 | 5,172 | 2689,682 | 79,8 | 23,505 | 12223,045 |
| Mokre makaze | 8,73 | 2,571 | 1337,182 | 70,35 | 20,722 | 10775,579 |
| Ususenje | 6,53 | 1,923 | 1000,206 | 63,82 | 18,798 | 9775,373 |
| Suve makaze | 1,1 | 0,324 | 168,490 | 62,82 | 18,474 | 9606,885 |
| Obrada sljubnica | 5,86 | 1,726 | 897,580 | 56,86 | 16,748 | 8709,303 |
| Presovanje | 2,7 | 0,795 | 413,561 | 54,16 | 15,953 | 8295,741 |
| Formatizovanje | 5,5 | 1,620 | 842,440 | 48,66 | 14,333 | 7453,300 |
| brusenje | 3,38 | 0,995 | 517,717 | 45,28 | 13,337 | 6935,582 |
| Ostali gubici | 4,45 | 1,310 | 681,610 | 40,83 | 12,026 | 6253,971 |
| suma | 59,17 | 17,429 | 9063,128 | 40,83 | 12,026 | 6253,971 |

1.$\frac{Mlj'}{b\*m\*c}= \frac{15317,1}{260\*2\*1,0208 }= 28,85=>29$

$$\frac{Ds2\*π}{4}\*5= \frac{0,51^{2}\*3,14}{4}\*5= 1,0208$$

 2. $N=\frac{n}{Ek}=\frac{29}{120}=0,241=>1$

$Ek=\frac{T\*K}{t}$=$\frac{450\*0,8}{3}$=120

2.1 Vz=N\*T = 0,241\*450=108,749

 3. ntrč=29\*3=87

 4. $A=\frac{60\*0,377\*4\*0,8\*0,7}{1,85}$ = 27,388 m3 /h